Saskatchewan
Health

Policy Research and
Management Services
Branch

Saskatchewan Accident Statistics

1982

Saskatchewan

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TABLE OF CONTENTS

		PAGE
Introduction		1
Section I - Mortality		
Table 1	Mortality and Accidental Mortality in Saskatchewan, 1950-1982	4
Table 2	Accidental Mortality by Age Group, 1950-1982	5
Figure 1	Accidental Mortality by Cause, 1982 (Pie Graph)	6
Figure 2	Accidental Mortality Rates by Cause, 1980-1982 Average (Bar Chart)	7
Table 3	Accidental Mortality by Cause and Sex, 1974-1982	8
Figure 3	Age and Sex Specific Accident Mortality Rates, 1980-1982 Average (Bar Chart)	9
Table 4	Accidental Mortality by Cause and Age Group, 1980-1982	10
Section II - Hospital Admissions		
Table 5	Hospital Separations for All Causes and for Accidents, 1979-1980 to 1982-1983	14
Figure 4	Hospital Separations by Type of Accident, 1982-1983 (Pie Chart)	15
Table 6	Age and Sex Specific Rates of Hospitalization Due to Accidental Injury, 1982-1983	16
Figure 5	Age and Sex Specific Rates of Hospitalization Due to Accidental Injury, 1982-1983 (Bar Chart)	17
Table 7	Hospital Separations, Patient Days and Average Length of Stay by Type of Accident, 1979-80 to 1982-83	18
Figure 6	Rates of Hospitalization by Type of Accident, 1982-83 (Bar Chart)	20
Table 8	Hospitalized Accident Cases by Place of Occurrence, 1982-1983	21

Table 9 Rates of Hospitalization by Age and Type of Accident, 1982-1983 22

Section III - Vehicle Accidents

Table 10 Motor Vehicle Accident Mortality by Age Group, 1971-1982 26

Table 11 Hospital Separations for Vehicle Accidents by Age and Type of Vehicle, 1982-1983 27

Section IV - Interprovincial Comparisons

Table 12 Accident Mortality Rates, Canada and the Provinces, 1980-1982 30

Table 13 Accident Mortality Rates by Sex, Canada and the Provinces, 1980-1982 31

Section V - Population

Saskatchewan Hospital Services Plan Covered Population by Age Group, 1964-1983 34

Appendix A

Accidental Mortality by "E" Code and by Age Group, 1982 38

Accidental Mortality by "E" Code and by Sex, 1979-1982 42

Appendix B

Hospital Separations by "E" Code, 1982-1983 48

Accident Classifications

Explanation of Accident Classifications 56

INTRODUCTION

The annual toll taken by accidents in terms of both deaths and injuries has only relatively recently come to the attention of the public. Accidents are a significant cause of death and disability for nearly all age groups, and in some age groups accidents represent the leading cause of death and hospital admission. The purpose of this report is to provide a broad overview of accidents in Saskatchewan.

During 1983 a major revision of Saskatchewan Accident Statistics was undertaken by the Policy Research and Management Services Branch of Saskatchewan Health. The impetus for this review resulted from the Branch's involvement in assisting the Saskatchewan Child Safety Committee in producing the Accident Fact Book on Children and Youth (March, 1983). This publication focussed on mortality and morbidity data for the under 20 population. The Child Safety Committee advises the Minister of Health on ways and means of preventing accidents among children and youth.*

The Accident Fact Book was a one time only publication. Saskatchewan Accident Statistics is an annual publication of the Department of Health and provides information concerning the entire population. The primary objective in revising the report was to make it more easily understandable to the general public. Thus, data have been presented in graphic form in addition to tabular form.

There are two sources of data available on accidents in Saskatchewan: Statistics Canada data on deaths (mortality), and Saskatchewan Hospital Services Plan data on hospital admissions. Both of these data sources use the External Cause or "E" codes of the International Classification of Diseases to define accidents. There are 129 "E" codes (E800 to E929). Unfortunately, there are no data relating to visits made to either physician's offices, emergency wards of hospitals (where no admission takes place), or other outpatient clinics. These omissions are a serious gap in the overall accident picture. Many minor and major accidents (e.g. a broken leg) may not result in hospital admission. Thus, it is not possible to present as complete a picture of morbidity as is desirable.

* In order to obtain more information about the Child Safety Committee, or copies of the Accident Fact Book, contact: Child Safety Committee, 3475 Albert Street, Regina, Saskatchewan, S4S 6X6.

The first two sections of the report deal with mortality and hospital admissions, respectively. The third section focusses on motor vehicle accidents, while the fourth provides information on interprovincial comparisons. The final section lists population data from 1964 to 1983. Detailed listings of mortality and hospital data by individual "E" code can be found in Appendices A and B, respectively. Appendix C provides an explanation of the accident classifications ("E" code groupings) used in this report.

The mortality data are for the year 1982 and are "final". In previous years preliminary data have been used. Because of the significant differences between the preliminary and final data, it was decided to no longer use preliminary data. Hospital data are for the fiscal year 1982-83 (April 1, 1982 to March 31, 1983). Thus, the mortality and hospital data cover slightly different time periods. The next report will include 1983 mortality data and 1983-84 hospital data.

Should you have any questions or comments concerning the report, please contact:

Policy Research and Management Services Branch
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Regina, Saskatchewan
S4S 6X6

Saskatchewan Health

Mortality

Saskatchewan

TABLE 1

Mortality and Accidental Mortality in Saskatchewan 1950-1982

GROUP	CAUSE	1950		1960		1970		1980		1981		1982	
		Number	Rate+	Number	Rate+	Number	Rate+	Number	Rate+	Number	Rate+	Number	Rate+
Total Population	All Causes	6,243	749.4	6,878	750.6	7,472	794.0	7,651	796.1	7,523	776.9	8,202	835.7
	Accidents	364	43.7	455	49.7	469	49.8	567	59.0	528	54.5	531	54.1
0 - 1	All Causes	690	3538.5	637	2687.8	386	2271.6	193	1155.7	203	1219.6	186	1081.4
	Accidents	27	138.5	26	109.7	19	117.3	6	35.9	13	78.1	4	23.3
1 - 4	All Causes	158	204.1	121	134.4	70	101.1	50	78.0	46	71.0	29	44.1
	Accidents	39	50.4	41	45.5	20	28.9	21	32.8	21	32.4	12	18.3
5 - 9	All Causes	72	89.4	47	45.0	40	38.6	32	41.4	21	27.1	25	31.8
	Accidents	17	21.1	18	17.2	15	14.5	22	28.5	8	10.3	8	10.2
10 - 14	All Causes	37	49.7	29	32.2	36	34.8	23	28.2	35	43.9	29	36.4
	Accidents	9	12.1	14	15.5	16	15.5	11	13.5	22	27.6	22	27.6
15 - 24	All Causes	150	109.1	131	101.6	197	118.8	230	123.5	223	121.2	239	132.0
	Accidents	52	37.8	72	55.8	117	70.6	150	80.5	130	70.6	120	66.3
25 - 64	All Causes	1,750	462.0	1,537	391.7	1,743	447.9	1,677	397.2	1,641	382.0	1,747	397.0
	Accidents	123	32.5	157	40.0	189	48.6	206	48.8	222	51.7	209	47.5
65 - 74	All Causes	1,551	3335.5	1,638	3114.1	1,421	2691.3	1,617	2364.0	1,628	2708.4	1,828	2553.1
	Accidents	43	92.5	43	81.7	28	53.0	49	71.6	38	63.2	58	81.0
75+	All Causes	1,835	9972.8	2,726	9026.5	3,596	8901.0	3,829	8546.9	3,726	8089.4	4,119	8617.2
	Accidents	54	293.5	83	274.8	65	160.9	102	227.7	74	160.7	98	205.0

Source: Statistics Canada

+Rate per 100,000 population (Statistics Canada Population)

TABLE 2

Accidental Mortality in Saskatchewan
Per Cent of Deaths Caused by Accidents
By Age Group, 1950 - 1982

Age Group	1950	1960	1970	1980	1981	1982
Total Population	5.8%	6.6%	6.3%	7.4%	7.0%	6.5%
0 - 1	3.9	4.1	5.2	3.1	6.4	2.2
1 - 4	24.7	33.9	28.6	42.0	45.6	41.4
5 - 9	23.6	38.3	37.5	68.7	38.1	32.0
10 - 14	24.3	48.3	44.4	47.8	62.9	75.9
15 - 24	34.7	54.9	59.4	65.2	58.3	50.2
25 - 64	7.0	10.2	10.8	12.3	13.5	12.0
65 - 74	2.8	2.6	2.0	3.0	2.3	3.2
75^{+}	2.9	3.0	1.8	2.7	2.0	2.4

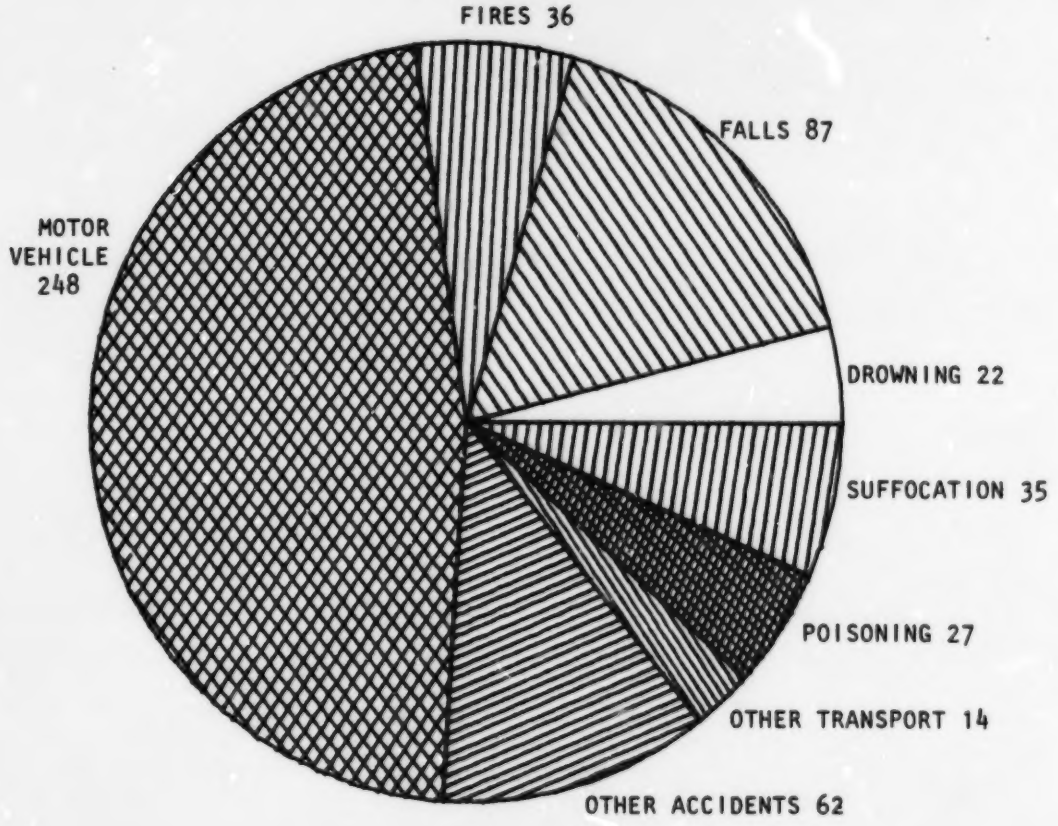
Source: Statistics Canada

In 1982, 531 people died because of accidents, representing 6.5% of all deaths occurring during the year. Table 1 illustrates trends in mortality from accidents and from all causes (including accidents) since 1950. The mortality rate for the entire population has increased over this period of time. Mortality rates for specific age groups, however, have decreased (with the exception of the 15-24 year age group). The most dramatic decline is for those under one year of age. These increases and decreases have occurred at the same time due to changes in the age and sex structure of the population. The larger number of elderly people has resulted in more deaths occurring (1,835 deaths among those aged 75 and over in 1950 compared to 4,119 in 1982), and hence, higher overall mortality rates.

Table 2 shows the importance of accidents in mortality among various age groups. The significance of accidents has increased dramatically for those aged 1-24, fully 75.9% of all deaths in the 10-14 year age group were from accidents. The apparent decline in the under 1 group is largely due to improved diagnosis. Prior to 1972, deaths from Sudden Infant Death Syndrome were included as suffocation in accident data.

FIGURE 1

NUMBER OF
ACCIDENTAL DEATHS BY CAUSE
SASKATCHEWAN
1982

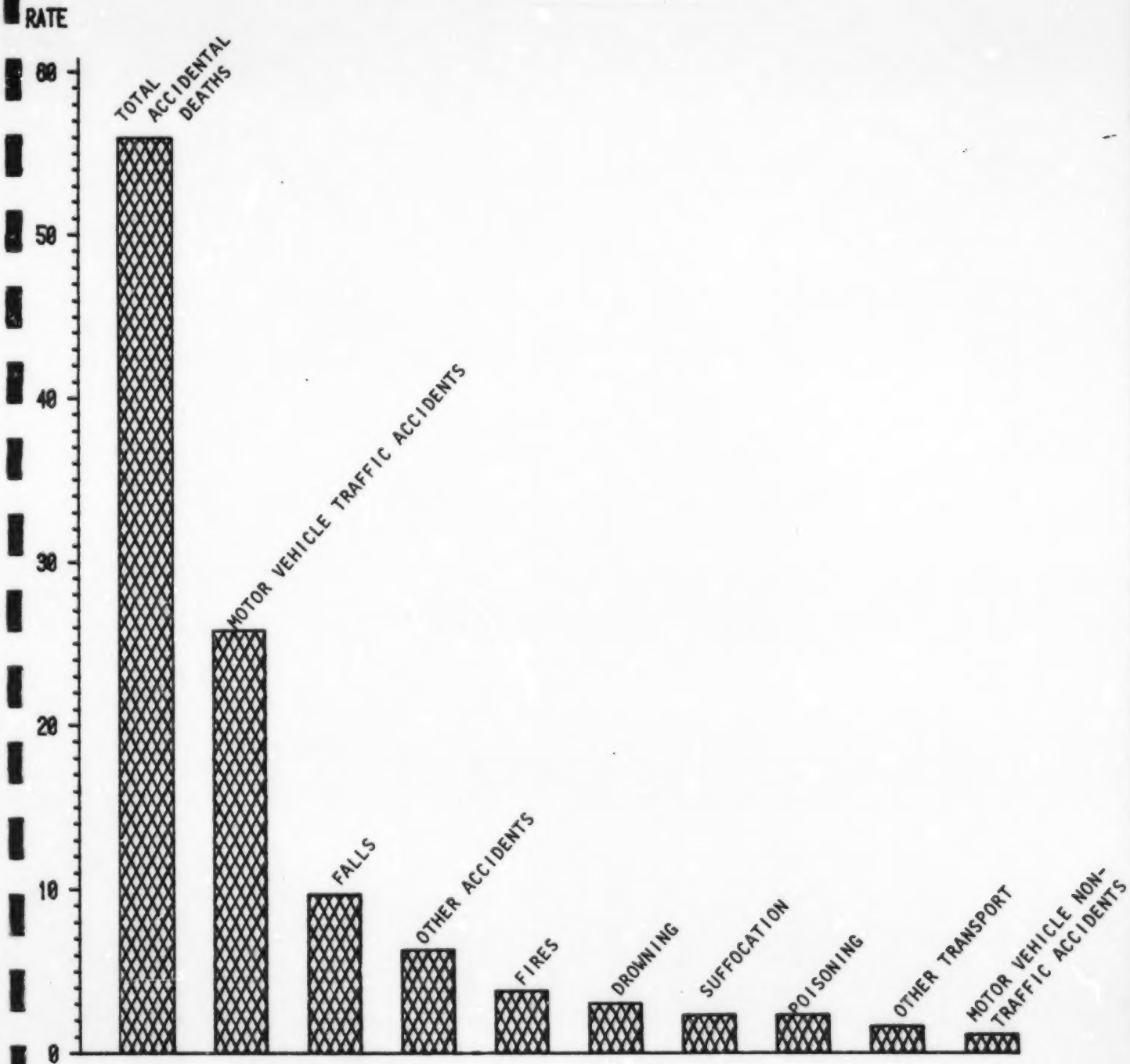


SOURCE: STATISTICS CANADA

This graph shows the relative significance of various types of accidents. The numbers indicate the number of deaths in 1982. Motor vehicle deaths represent 46.7% of the total. Falls, which are the second leading cause of accidental death, account for 16.4%. "Other Accidents" include a wide variety of events which cannot be readily categorized. Figure 2 details accident rates by types of accidents.

FIGURE 2

ACCIDENT MORTALITY RATES BY CAUSE, SASKATCHEWAN
THREE YEAR AVERAGE, 1980 - 1982



SOURCE: STATISTICS CANADA

TABLE 3

ACCIDENTAL DEATHS BY CAUSE AND SEX
SASKATCHEWAN, 1974-1982

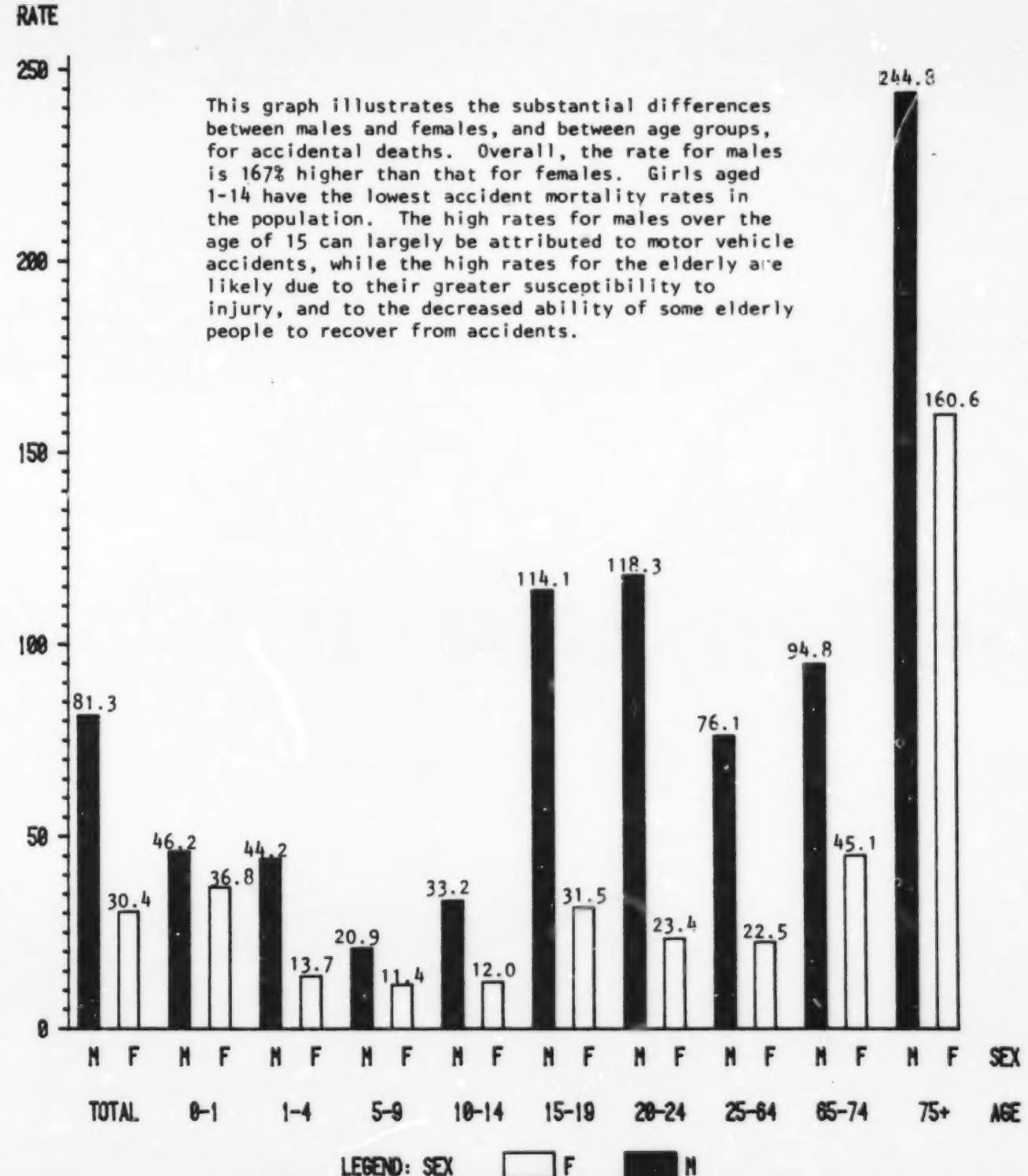
CAUSE OF DEATH	SEX	1974	1975	1976	1977	1978	1979	1980	1981	1982
Total Accidental Deaths	Total	598	510	598	569	547	585	567	528	531
	Male	426	356	429	404	393	415	403	403	379
	Female	172	154	169	165	154	170	164	125	152
Motor Vehicle Traffic Accidents	Total	287	248	274	263	253	250	246	265	239
	Male	206	176	192	188	184	173	176	211	179
	Female	81	72	82	75	69	77	70	54	60
Motor Vehicle Non-Traffic Accidents	Total	9	10	4	10	4	22	10	14	9
	Male	6	9	3	9	2	16	9	13	7
	Female	3	1	1	1	2	6	1	1	2
Other Transportation	Total	15	12	22	13	18	16	23	9	14
	Male	13	9	21	12	15	13	20	7	12
	Female	2	3	1	1	3	3	3	2	2
Fires	Total	45	25	33	33	40	53	41	32	36
	Male	25	16	25	21	24	37	28	24	25
	Female	20	9	8	12	16	16	13	8	11
Drowning	Total	46	44	50	36	40	43	37	30	22
	Male	39	37	38	33	31	40	33	24	21
	Female	7	7	12	3	9	3	4	6	1
Suffocation	Total	36	25	27	35	26	21	16	16	35
	Male	19	16	19	20	17	16	10	11	27
	Female	17	9	8	15	9	5	6	5	8
Poisoning	Total	22	13	28	23	25	16	21	18	27
	Male	14	9	22	12	19	10	15	9	16
	Female	8	4	6	11	6	6	6	9	11
Falls	Total	57	68	79	87	76	99	107	88	87
	Male	32	31	42	52	47	53	60	54	45
	Female	25	37	37	35	29	46	47	34	42
Other Accidents	Total	81	65	81	69	65	65	66	56	62
	Male	72	53	67	57	54	57	52	50	47
	Female	9	12	14	12	11	8	14	6	15

Source: Statistics Canada

This table shows differences between males and females by type of accident from 1974 to 1982. These data have remained fairly constant over this time period. Higher mortality for males can be found in nearly all accident categories. Differences are particularly evident in motor vehicle accidents, fires, drowning and suffocation.

FIGURE 3

AGE AND SEX SPECIFIC RATES OF MORTALITY FROM ACCIDENTS SASKATCHEWAN, 1980 TO 1982 AVERAGE


RATE
250
200
150
100
50
0
This graph illustrates the substantial differences between males and females, and between age groups, for accidental deaths. Overall, the rate for males is 167% higher than that for females. Girls aged 1-14 have the lowest accident mortality rates in the population. The high rates for males over the age of 15 can largely be attributed to motor vehicle accidents, while the high rates for the elderly are likely due to their greater susceptibility to injury, and to the decreased ability of some elderly people to recover from accidents.
81.3
30.4
46.2
36.8
44.2
13.7
20.9
11.4
33.2
12.0
114.1
31.5
118.3
23.4
76.1
22.5
94.8
45.1
244.8
160.6
M F M F M F M F M F M F M F M F M F M F SEX
TOTAL 0-1 1-4 5-9 10-14 15-19 20-24 25-64 65-74 75+ AGE
LEGEND: SEX F M

RATE PER 100,000 POPULATION (STATISTICS CANADA POPULATION)
SOURCE: STATISTICS CANADA

TABLE 4

Accident Mortality By Cause and Age Group
Saskatchewan, 1980-1982

Cause of Death	Total Population No.	Rate+	0-1 No.	Rate+	1-4 No.	Rate+	5-9 No.	Rate+	10-14 No.	Rate+	15-19 No.	Rate+	20-24 No.	Rate+	25-64 No.	Rate+	65-69 No.	Rate+	70-74 No.	Rate+	75-79 No.	Rate+	80+ No.	Rate+
Total Deaths																								
1980	567	59.0	6	35.9	21	32.8	22	28.5	11	13.5	81	83.5	69	77.3	206	48.8	26	66.8	23	78.0	23	110.6	79	329.2
1981	528	54.5	13	78.1	21	32.4	8	10.3	22	27.6	65	68.5	65	73.0	222	51.7	23	58.1	15	49.1	16	74.7	58	235.5
1982	531	54.1	4	23.3	12	18.3	8	10.2	22	27.6	63	68.8	57	63.8	209	47.5	29	72.3	29	92.1	25	111.6	73	287.4
3 Year Average	542	55.9	8	45.8	18	27.8	13	16.3	18	22.9	70	73.6	64	71.4	212	49.3	26	65.7	22	73.1	21	99.0	70	284.0
Motor Vehicle Traffic																								
1980	246	25.6	2	12.0	6	9.4	4	5.2	4	4.9	59	60.8	46	51.6	91	21.6	11	28.3	12	40.7	6	28.8	5	20.8
1981	265	27.4	2	12.0	8	12.8	7	9.0	13	16.3	48	50.5	45	50.5	116	27.0	10	25.3	6	19.6	5	23.3	5	20.3
1982	239	24.4	-	-	4	6.1	4	5.1	13	16.3	53	57.9	39	43.6	91	20.7	11	27.4	10	31.7	6	26.8	8	31.5
3 Year Average	250	25.8	1	8.0	6	9.3	5	6.4	10	12.5	53	56.4	43	48.5	99	23.1	11	27.0	9	30.7	6	26.3	6	24.2
Motor Vehicle Non-Traffic																								
1980	10	1.0	-	-	2	3.1	-	-	1	1.2	1	1.0	2	2.2	4	*	-	-	-	-	-	-	-	-
1981	14	1.4	3	18.0	-	-	-	-	3	3.8	-	-	2	2.2	6	1.4	-	-	-	-	-	-	-	-
1982	9	*	-	-	2	3.0	-	-	1	1.3	1	1.1	1	1.1	1	*	1	2.5	1	3.2	-	-	1	3.9
3 Year Average	11	1.1	1	6.0	1	2.0	-	-	2	2.1	1	*	2	1.8	4	*	*	*	*	1.1	-	-	*	1.3
Other Transport																								
1980	23	2.4	-	-	1	1.6	1	1.3	-	-	2	2.1	3	3.4	13	3.1	1	2.6	1	3.4	-	-	1	4.2
1981	9	*	-	-	-	-	-	-	1	*	-	-	2	2.2	6	1.4	-	-	-	-	-	-	-	-
1982	14	1.4	-	-	-	-	-	-	1	1.3	2	2.2	2	2.3	9	2.0	-	-	-	-	-	-	-	-
3 Year Average	15	1.6	-	-	*	*	*	*	*	*	1	1.4	2	2.6	9	2.2	*	*	*	*	-	-	*	*
Fires																								
1980	41	4.3	1	6.0	7	10.9	7	9.1	2	2.4	-	-	2	2.2	18	4.3	1	2.6	-	-	2	9.6	1	4.2
1981	32	3.3	2	12.0	8	12.3	-	-	-	-	1	1.0	4	4.5	13	3.0	1	2.5	-	-	-	-	3	12.2
1982	36	3.7	1	5.8	2	3.0	1	1.3	3	3.8	-	-	5	5.6	15	3.4	3	7.5	3	9.5	2	8.9	1	3.9
3 Year Average	36	3.8	1	7.9	6	8.7	3	3.5	2	2.1	*	*	4	4.1	15	3.6	2	4.2	1	3.2	1	6.2	2	6.8
Drowning																								
1980	37	3.8	-	-	2	3.1	8	10.4	3	3.7	5	5.2	6	6.7	12	2.8	1	2.6	-	-	-	-	-	-
1981	30	3.1	1	6.0	2	3.1	1	1.3	-	-	6	6.3	2	2.2	17	4.0	-	-	1	3.3	-	-	-	-
1982	22	2.2	-	-	-	-	-	-	-	-	2	2.2	4	4.5	10	2.3	3	7.5	1	3.2	2	8.9	-	-
3 Year Average	30	3.0	*	2.0	1	2.1	3	3.9	1	1.2	4	4.6	4	4.5	13	3.0	1	3.4	*	2.2	*	3.0	-	-

Cause of Death	Total Population		0-1		1-4		5-9		10-14		15-19		20-24		25-64		65-69		70-74		75-79		80+	
	No.	Rate+	No.	Rate+	No.	Rate+	No.	Rate+	No.	Rate+	No.	Rate+	No.	Rate+	No.	Rate+	No.	Rate+	No.	Rate+	No.	Rate+	No.	Rate+
Suffocation																								
1980	16	1.7	1	6.0	-	-	-	-	-	-	1	1.0	-	-	5	1.2	1	2.6	3	10.2	4	19.2	1	4.2
1981	16	1.6	3	18.0	-	-	-	-	1	1.3	-	-	1	1.1	4	0.9	4	10.1	-	-	1	4.7	2	8.1
1982	35	3.6	3	17.4	-	-	-	-	2	2.5	1	1.1	1	1.1	9	2.0	1	2.5	1	3.2	5	22.3	12	47.2
3 Year Average	22	2.3	2	13.8	-	-	-	-	1	1.3	*	*	*	*	6	1.4	2	5.1	1	4.5	3	15.4	5	19.8
Poisoning																								
1980	21	2.2	-	-	-	-	1	1.3	-	-	3	3.1	5	5.6	11	2.6	1	2.6	-	-	-	-	-	-
1981	18	1.9	-	-	-	-	-	-	1	1.3	1	1.0	3	3.4	11	2.6	1	2.5	1	3.3	-	-	-	-
1982	27	2.8	-	-	-	-	-	-	-	-	2	2.2	-	-	22	5.0	1	2.5	1	3.2	-	-	1	3.9
3 Year Average	22	2.3	-	-	-	-	*	*	*	*	2	2.1	3	3.0	15	3.4	1	2.5	*	2.2	-	-	*	1.3
Falls																								
1980	197	11.1	-	-	-	-	-	-	-	-	1	1.0	1	1.1	14	3.3	8	20.5	4	13.5	11	52.9	68	283.3
1981	88	9.1	-	-	-	-	-	-	-	-	-	-	3	3.4	17	3.9	5	12.6	7	22.9	10	46.7	46	186.8
1982	87	8.9	-	-	1	1.5	1	1.3	-	-	-	-	-	-	23	5.2	4	10.0	6	19.0	4	17.8	48	189.0
3 Year Average	94	9.7	-	-	*	*	*	*	-	-	*	*	1	1.5	18	4.1	6	14.4	6	18.5	8	39.1	54	219.7
Other Accidents																								
1980	66	6.9	2	12.0	3	4.7	1	1.3	1	1.2	9	9.3	4	4.5	38	9.0	2	5.1	3	10.2	-	-	3	12.5
1981	56	5.8	2	12.0	3	4.6	-	-	3	3.8	9	9.5	3	3.4	32	7.4	2	5.0	-	-	-	-	2	8.1
1982	62	6.3	-	-	3	4.6	2	2.5	2	2.5	2	2.2	5	5.6	29	6.6	5	12.5	6	19.0	6	26.8	2	7.9
3 Year Average	61	6.3	1	8.0	3	4.6	1	1.3	2	2.5	7	7.0	4	4.5	33	7.7	3	7.5	3	9.7	2	8.9	2	9.5

Source: Statistics Canada

+Rate per 100,000 population

*Less than 1

This table presents three years' data by age group and by type of accident. Because the number of events occurring within a particular category may fluctuate considerably from one year to the next, a 3 year average is shown. The types of accidents from which deaths result vary from one age group to another. For those under one year of age suffocation, fire and motor vehicle accidents are most common. Motor vehicle accidents are a leading cause of accidental death for all age groups. Falls are the leading cause of accidental death for those aged 75 and over. The differences between age groups are due to a large number of factors including development, activities and health status.

Saskatchewan Health

Hospital Admissions

Saskatchewan

TABLE 5

Hospital Separations, Patient Days and Average Days of Stay Saskatchewan, 1979-1983

	1979-80	1980-81	1981-82	1982-83
Total Population*	979,734	982,257	990,746	1,000,667
Separations - All Causes	213,828	215,682	214,388	221,466
Separations Per 1,000 Population	218.9	219.6	216.4	221.3
Separations Due To Accidental Injuries	15,399	14,963	14,397	14,728
Separations Per 1,000 Population	15.77	15.23	14.53	14.72
Per Cent of Total Separations Due to Accidental Injuries	7.20	6.94	6.72	6.65
Patient Days - All Causes	1,697,313	1,726,341	1,712,231	1,659,593
Average Length of Stay	7.94	8.00	8.00	7.49
Patient Days - Accidental Injuries	122,131	118,289	115,715	111,424
Average Length of Stay	7.93	7.91	8.04	7.57
Per Cent of Total Patient Days Due to Accidental Injury	7.20	6.85	6.76	6.71

*Saskatchewan Hospital Services Plan Covered Population
Source: Saskatchewan Hospital Services Plan

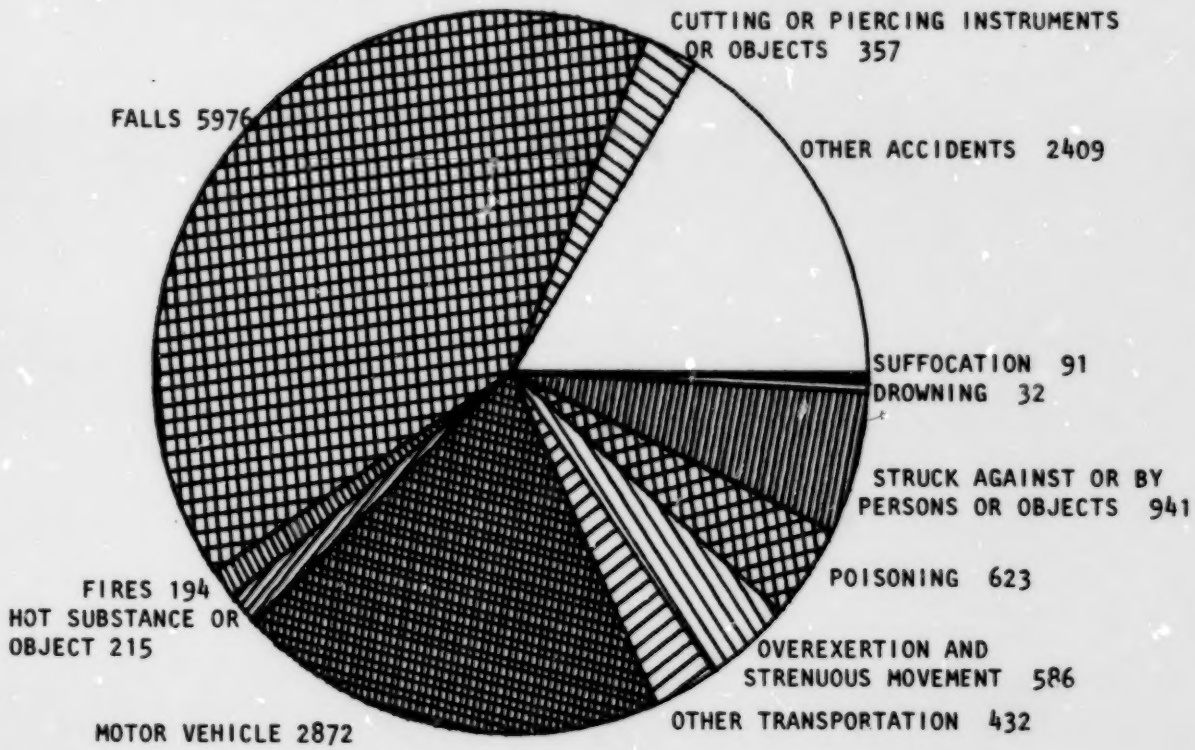
In 1982-83 there were 14,728 people admitted to a hospital because of accidental injuries. As noted in the Introduction, hospital separations only provide a partial picture of accidental injuries. In Table 5 hospital data are shown for the years 1979-80 to 1982-83. The total number of separations in 1982-83 was somewhat higher than in previous years, but there is no clear trend evident in separations per 1,000 population for accidental injuries. The average length of stay is an indicator of severity of injury. Once again no trend is evident. Medical practice has changed over the years, and as a result many injuries which would previously have required a hospital stay are now treated on an outpatient basis.

FIGURE 4

NUMBER OF HOSPITAL SEPARATIONS

BY TYPE OF ACCIDENT

SASKATCHEWAN, 1982-83



SOURCE: SASKATCHEWAN HOSPITAL SERVICES PLAN

Figure 4 shows the proportion of separations for various types of accidents. These data are quite different from the mortality data. Falls accounted for 40.6% of all separations due to accidents, while motor vehicle accidents accounted for only 19.5%. Suffocation and drowning are significant causes of death, but not hospital admission. In both cases an event may result in either death or simply a "close call" requiring only minimal treatment. Two categories which do not appear in mortality data are "Struck Against" and "Overexertion". Both of these categories are likely related to sports and recreation accidents.

TABLE 6

Age and Sex Specific Rates of Hospitalization
Due to Accidental Injury, Saskatchewan, 1982-83

	Total	0-1	1-4	5-9	10-14	15-19	20-24	25-64	65-74	75+
Covered Population[1]										
Both Sexes	1,000,667	16,160	67,645	79,833	80,118	93.409	97,019	446,998	71,565	47,920
Male	503,095	8,306	34,866	40,590	41,132	47,713	49,449	225,717	34,372	20,950
Female	497,572	7,854	32,779	39,243	38,986	45,696	47,570	221,281	37,193	26,970
Admissions										
Both Sexes	14,728	86	1,239	1,079	1,253	1,858	1,382	4,529	1,148	2,154
Male	8,588	52	652	665	846	1,309	1,045	2,921	452	646
Female	6,140	34	587	414	407	549	337	1,608	696	1,508
Admissions Per 1,000 Covered Population										
Both Sexes	14.7	5.3	18.3	13.5	15.6	19.9	14.2	10.1	16.0	44.9
Male	17.1	6.3	18.7	16.4	20.6	27.4	21.1	12.9	13.2	30.8
Female	12.3	4.3	17.9	10.5	10.4	12.0	7.1	7.3	18.7	55.9
Patient Days										
Both Sexes	111,424	331	4,464	4,341	4,888	8,601	7,614	29,748	13,259	38,178
Male	54,809	186	2,308	2,541	3,566	6,471	5,470	19,165	5,104	9,998
Female	56,615	145	2,156	1,800	1,322	2,130	2,144	10,583	8,155	28,180
Days Per 1,000 Covered Population										
Both Sexes	111.3	20.5	66.0	54.4	61.0	92.1	78.5	66.6	185.3	796.7
Male	108.9	22.4	66.2	62.6	86.7	135.6	110.6	84.9	148.5	477.2
Female	113.8	18.5	65.8	45.9	33.9	46.6	45.1	47.8	219.3	1044.9
Average Days of Stay										
Both Sexes	7.6	3.8	3.6	4.0	3.9	4.6	5.5	6.6	11.5	17.7
Male	6.4	3.6	3.5	3.8	4.2	4.9	5.2	6.6	11.3	15.5
Female	9.2	4.3	3.7	4.3	3.2	3.9	6.4	6.6	11.7	18.7

[1]Saskatchewan Hospital Services Plan Covered Population

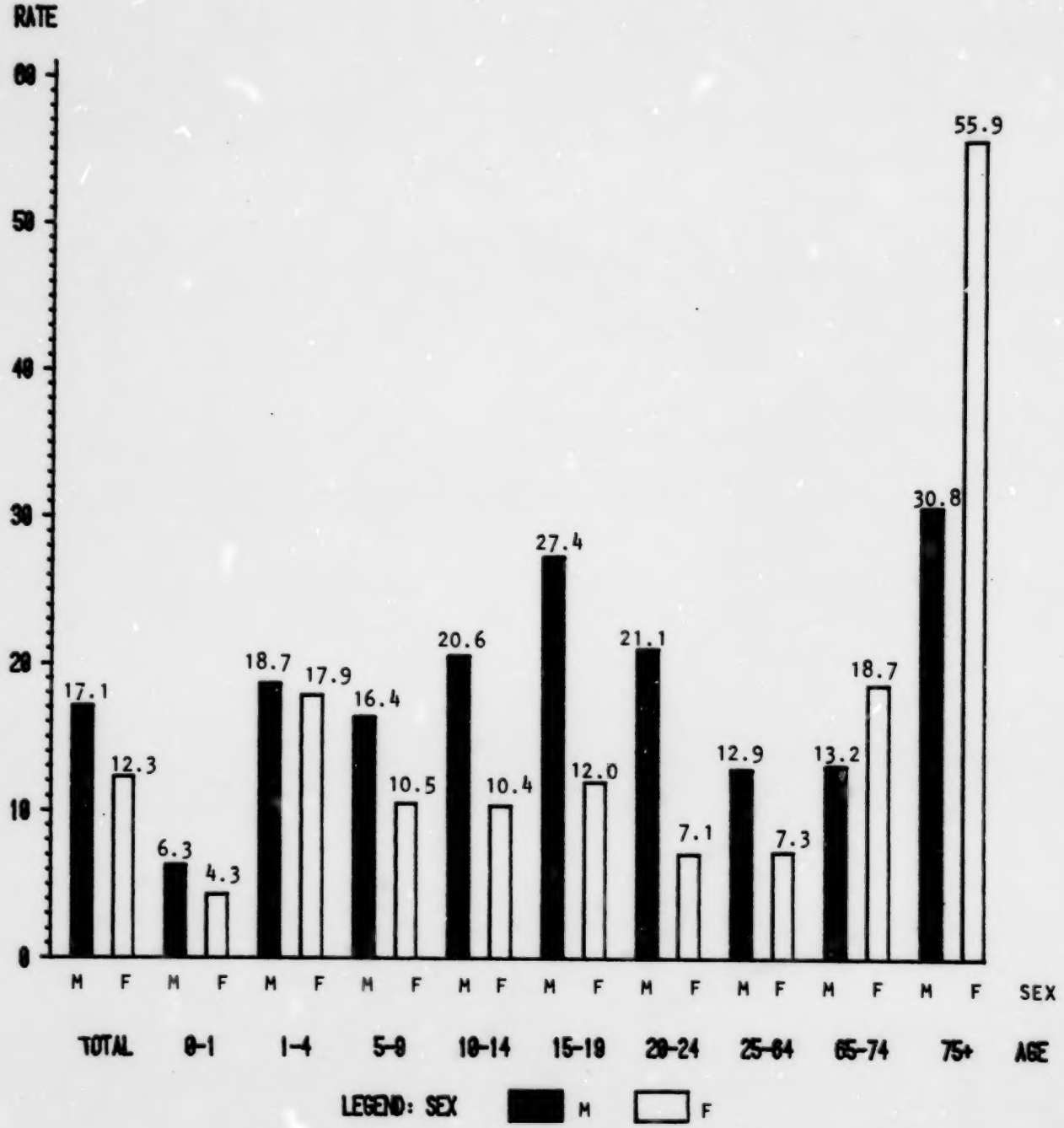
Source: Saskatchewan Hospital Services Plan

Hospitalization due to accidental injury varies with both age and sex. In Table 6 these variations are shown. Males are more frequently admitted in all age groups with the exception of those aged 65 and over. The high admission rate for elderly women is likely due to the disproportionate number of very elderly women (85 and over) in the 65 and over age group. As expected, the average length of stay is considerably higher for the elderly than for the rest of the population.

Figure 5 provides age and sex rates of hospitalization in graphic form.

FIGURE 5

AGE AND SEX SPECIFIC RATES OF HOSPITALIZATION FROM ACCIDENTS
SASKATCHEWAN, 1982 - 1983



RATE PER 1,000 POPULATION (SHSP COVERED POPULATION)
SOURCE: SASKATCHEWAN HOSPITAL SERVICES PLAN

TABLE 7

HOSPITAL SEPARATIONS, PATIENT DAYS AND AVERAGE DAYS OF STAY
BY TYPE OF ACCIDENT, 1979-80 to 1982-83

TYPE OF ACCIDENT	1979-80	1980-81	1981-82	1982-83
FALLS:				
Separations	5,859	6,013	5,894	5,976
Patient Days	61,289	61,911	65,676	60,936
Average Days of Stay	10.46	10.30	11.14	10.20
MOTOR VEHICLE ACCIDENTS:				
Separations	2,852	2,873	2,779	2,872
Patient Days	20,751	21,295	19,239	19,192
Average Days of Stay	7.28	7.41	6.92	6.68
STRUCK AGAINST OR BY PERSONS OR OBJECTS:				
Separations	1,186	1,145	1,039	941
Patient Days	4,235	4,021	3,638	3,032
Average Days of Stay	3.57	3.51	3.50	3.22
POISONING:				
Separations	623	565	560	623
Patient Days	1,679	1,111	1,066	1,267
Average Days of Stay	2.70	1.97	1.90	2.03
OTHER TRANSPORTATION:				
Separations	499	497	477	432
Patient Days	1,712	2,103	1,653	1,451
Average Days of Stay	3.43	4.23	3.47	3.36
CUTTING OR PIERCING INSTRUMENTS OR OBJECTS:				
Separations	466	408	342	357
Patient Days	1,971	1,685	1,313	1,414
Average Days of Stay	4.23	4.13	3.84	3.96
HOT SUBSTANCE OR OBJECT:				
Separations	276	289	259	215
Patient Days	2,234	2,642	2,609	1,922
Average Days of Stay	8.09	9.14	10.07	8.94
OVEREXERTION AND STRENUOUS MOVEMENT:				
Separations	604	586	554	586
Patient Days	3,275	3,218	2,949	3,004
Average Days of Stay	5.42	5.49	5.32	5.13
FIRES:				
Separations	197	216	195	194
Patient Days	3,167	3,828	2,897	2,330
Average Days of Stay	16.08	17.72	14.86	12.01

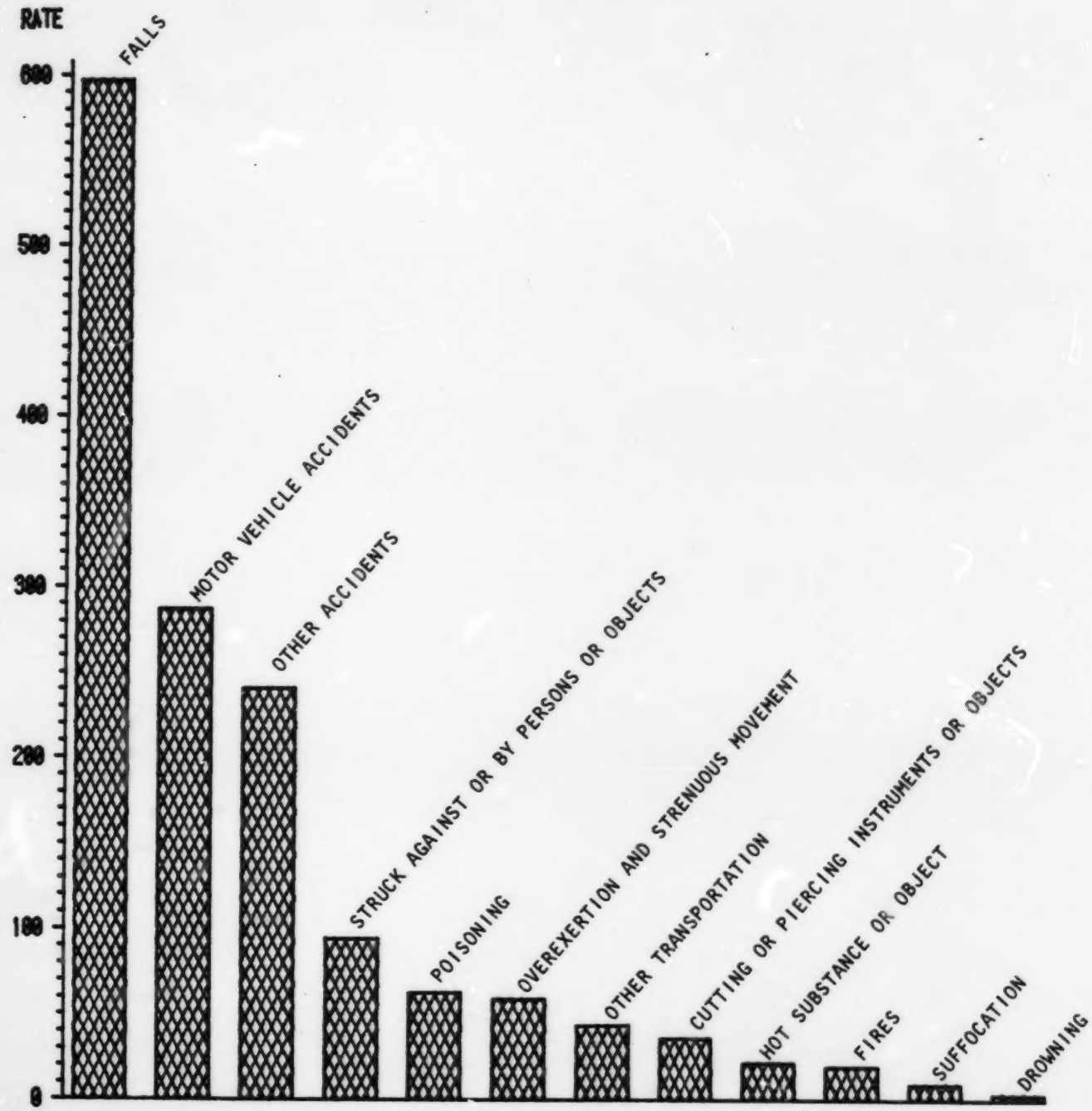
	1979-80	1980-81	1981-82	1982-83
DROWNING:				
Separations	31	27	22	32
Patient Days	81	92	61	88
Average Days of Stay	2.61	3.41	2.77	2.75
SUFFOCATIONS:				
Separations	76	92	124	91
Patient Days	241	199	278	149
Average Days of Stay	3.17	2.16	2.24	1.64
OTHER ACCIDENTS:				
Separations	2,730	2,252	2,152	2,409
Patient Days	21,496	16,184	14,336	16,639
Average Days of Stay	7.87	7.19	6.66	6.91
TOTAL ACCIDENTS:				
Separations	15,399	14,963	14,397	14,728
Patient Days	122,131	118,289	115,715	111,424
Average Days of Stay	7.93	7.91	8.04	7.57

Source: Saskatchewan Hospital Services Plan

The number of separations and the average length of stay varies with different types of accidents. In Table 7 these data are presented for the years 1979-80 to 1982-83. The longest average length of stay is for falls, many of which involve elderly people who often sustain more serious injuries and require a longer recovery period than younger people. Burns (hot substances and fires) also have a long length of stay. The number of separations in the various accident categories has remained relatively constant.

FIGURE 6

RATE OF HOSPITALIZATION DUE TO ACCIDENTAL INJURY BY CAUSE
SASKATCHEWAN, 1982 - 1983



SOURCE: SASKATCHEWAN HOSPITAL SERVICES PLAN
RATE PER 100,000 POPULATION

TABLE 8

Selected Causes of Hospitalization Due to Accidental Injury
By Place of Occurrence, Saskatchewan, 1982-83

Type of Accident	Home		Farm		Mine & Quarry		Industrial		Recreation & Sport		Street & Highway		Public Building		Residential Institution		Other Specified		Unspecified	
	Cases	Days	Cases	Days	Cases	Days	Cases	Days	Cases	Days	Cases	Days	Cases	Days	Cases	Days	Cases	Days	Cases	Days
Accidental Poisoning By Drugs, Medicaments and Biologicals	176	305	2	4									1	1	1	4	1	1	220	559
Accidental Poisoning By Other Solid & Liquid Substances, Gases & Vapours	91	138	15	25	1	1	4	5			1	1	6	10	1	2	1	3	91	182
Accidental Falls	866	7556	98	587	2	6	14	100	223	868	16	75	114	687	59	962	29	110	528	4096
Accidents Caused By Fire & Flames	36	492	8	10			1	1	1	13			3	3	3	17	1	27	10	52
Accidents Due to Natural and Environmental Factors	34	166	59	231			1	7	13	48	25	427	1	4	2	3	17	244	182	1193
Submersion, Suffocation & Foreign Bodies	4	11	2	2			11	36			2	6					5	10	7	20
Other Accidents	443	2540	315	1916	5	48	16	129	570	1790	25	82	104	286	5	92	48	287	1240	8142

Source: Saskatchewan Hospital Services Plan

A limited amount of data is available on where accidents occurred. Unfortunately in many cases the location is not specified (the proportion varies with each type of accident). Motor vehicle and other transportation accidents are not included in these data.

It is interesting to note that most poisonings occur at home. Falls, however, occur in virtually all locations. If these data were broken down by age they would likely reveal where different age groups spend much of their time, and where they are "exposed" to the danger of certain types of accidents.

TABLE 9

HOSPITAL SEPARATION AND PATIENT DAYS FOR LEADING ACCIDENT CLASSIFICATIONS BY AGE GROUPS, SASKATCHEWAN, 1982-83

Type of Accident	Total		0 - 1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 64		65 - 74		75+	
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
Falls																				
- Separations	5976	6.0	43	2.7	378	5.6	465	5.8	455	5.7	328	3.5	247	2.5	1561	3.5	769	10.7	1730	36.1
- Patient Days	60936	60.9	166	10.3	1369	20.2	1468	18.4	1540	19.2	1343	14.4	1239	12.8	11845	26.5	9588	133.9	32378	675.7
- Average Days of Stay	10.2		3.9		3.6		3.2		3.4		4.1		5.0		7.6		12.5		18.7	
Motor Vehicle Accidents																				
- Separations	2872	2.9	12	0.7	58	0.9	140	1.8	214	2.7	739	7.9	543	5.6	947	2.1	120	1.7	99	2.1
- Patient Days	19192	19.2	26	1.6	531	7.8	904	11.3	1306	16.3	3863	41.4	3598	37.1	6484	14.5	1224	17.1	1256	26.2
- Average Days of Stay	6.7		2.2		9.2		6.5		6.1		5.2		6.6		6.8		10.2		12.7	
Struck Against or by Persons or Objects																				
- Separations	941	0.9	3	0.2	33	0.5	93	1.2	198	2.5	217	2.3	124	1.3	240	0.5	15	0.2	18	0.4
- Patient Days	3032	3.0	15	0.9	112	1.7	242	3.0	488	6.1	605	6.5	317	3.3	957	2.1	77	1.1	219	4.6
- Average Days of Stay	3.2		5.0		3.4		2.6		2.5		2.8		2.6		4.0		5.1		12.2	
Poisoning																				
- Separations	623	0.6	7	0.4	442	6.5	39	0.5	13	0.2	22	0.2	9	0.1	59	0.1	9	0.1	23	0.5
- Patient Days	1267	1.3	16	1.0	639	9.4	52	0.7	37	0.5	31	0.3	24	0.2	206	0.5	29	0.4	233	4.9
- Average Days of Stay	2.0		2.3		1.4		1.3		2.8		1.4		2.7		3.5		3.2		10.1	
Other Transportation																				
- Separations	432	0.4	-	-	12	0.2	101	1.3	110	1.4	65	0.7	45	0.5	89	0.2	8	0.1	2	0.04
- Patient Days	1451	1.5	-	-	27	0.4	296	3.7	237	3.0	236	2.5	205	2.1	395	0.9	41	0.6	14	0.3
- Average Days of Stay	3.4		-		2.3		2.9		2.2		3.6		4.6		4.5		5.1		7.0	
Cutting or Piercing Instrument or Objects																				
- Separations	357	0.4	1	0.1	23	0.3	36	0.5	30	0.4	62	0.7	41	0.4	141	0.3	11	0.2	12	0.3
- Patient Days	1414	1.4	5	0.3	143	2.1	159	2.0	103	1.3	217	2.3	93	1.0	583	1.3	41	0.6	70	1.5
- Average Days of Stay	4.0		5.0		6.2		4.4		3.4		3.5		2.3		4.1		3.7		5.8	
Hot Substance or Object																				
- Separations	215	0.2	4	0.2	82	1.2	16	0.2	16	0.2	14	0.1	14	0.1	47	0.1	7	0.1	15	0.3
- Patient Days	1922	1.9	10	0.6	727	10.7	94	1.2	73	0.9	99	1.1	82	0.8	333	0.7	99	1.4	405	8.5
- Average Days of Stay	8.9		2.5		8.9		5.9		4.6		7.1		5.9		7.1		14.1		27.0	

Type of Accident	Total		0 - 1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 64		65 - 74		75+	
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
Overexertion and Strenuous Movement																				
- Separations	586	0.6	-	-	5	0.1	10	0.1	29	0.4	65	0.7	47	0.5	331	0.7	47	0.7	52	1.1
- Patient Days	3004	3.0	-	-	12	0.2	32	0.4	144	1.8	177	1.9	157	1.6	1530	3.4	307	4.3	645	13.5
- Average Days of Stay	5.1		-		2.4		3.2		5.0		2.7		3.3		4.6		6.5		12.4	
Fires																				
- Separations	194	0.2	1	0.1	17	0.3	19	0.2	15	0.2	29	0.3	17	0.2	76	0.2	8	0.1	12	0.3
- Patient Days	2330	2.3	18	1.1	125	1.8	209	2.6	174	2.2	298	3.2	247	2.5	778	1.7	224	3.1	257	5.4
- Average Days of Stay	12.0		18.0		7.4		11.0		11.6		10.3		14.5		10.2		28.0		21.4	
Drowning																				
- Separations	32	0.03	-	-	5	0.1	2	0.02	2	0.02	9	0.1	3	0.03	9	0.02	2	0.03	-	-
- Patient Days	88	0.1	-	-	7	0.1	4	0.1	4	0.1	27	0.3	15	0.2	26	0.1	5	0.1	-	-
- Average Days of Stay	2.8		-		1.4		2.0		2.0		3.0		5.0		2.9		2.5		-	
Suffocation																				
- Separations	91	0.1	1	0.1	24	0.4	11	0.1	6	0.1	3	0.03	3	0.03	26	0.1	10	0.1	7	0.1
- Patient Days	149	0.1	2	0.1	28	0.4	24	0.3	8	0.1	3	0.03	6	0.01	44	0.1	18	0.3	16	0.3
- Average Days of Stay	1.6		2.0		1.2		2.2		1.3		1.0		2.0		1.7		1.8		2.3	
Other Accidents																				
- Separations	2409	2.4	14	0.9	162	2.4	147	1.8	169	2.1	311	3.3	289	3.0	1002	2.2	137	1.9	178	3.7
- Patient Days	16639	16.6	73	4.5	745	11.0	856	10.7	773	9.6	1722	18.4	1640	16.9	6636	14.8	1543	21.6	2651	55.3
- Average Days of Stay	6.9		5.2		4.6		5.8		4.6		5.5		5.7		6.6		11.3		14.9	
Total																				
- Separations	14728	14.7	86	5.3	1241	18.3	1079	13.5	1257	15.7	1864	20.0	1382	14.2	4528	10.1	1143	16.0	2148	44.8
- Patient Days	111424	111.3	331	20.5	4465	66.0	4340	54.4	4887	61.0	8621	92.3	7623	78.6	29817	66.7	13196	184.4	38144	796.0
- Average Days of Stay	7.6		3.8		3.6		4.0		3.9		4.6		5.5		6.6		11.5		17.8	

*Rate per 1,000 Covered Population
Source: Saskatchewan Hospital Services Plan

June 7, 1984
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This table provides detailed information on separations, patient days and average length of stay. These data also illustrate differences between age groups in regard to types of accidents. The separation rate per 1,000 population allows comparisons to be made between age groups. Accidents where there are few occurrences (e.g. drowning, suffocation), may vary considerably in frequency from one year to the next.

Saskatchewan Health

Vehicle Accidents

Saskatchewan

TABLE 10

Motor Vehicle Accident Mortality, Total Population By Age Group Saskatchewan, 1971-1982

Year	Under 15		15-24		25-64		65+		Total	
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
1971	23	7.9	71	41.7	100	26.0	31	32.9	225	24.3
1972	21	7.5	97	56.4	101	26.3	34	35.1	253	27.7
1973	31	11.4	108	63.5	89	23.3	34	34.1	262	29.0
1974	40	15.3	110	62.6	116	30.2	30	29.9	296	32.9
1975	30	11.6	100	54.8	93	23.8	35	34.5	258	28.4
1976	24	9.3	92	48.5	128	32.0	34	32.9	278	30.2
1977	26	10.2	113	58.0	99	24.3	35	33.1	273	28.8
1978	30	12.0	86	43.6	110	26.5	31	28.6	257	26.8
1979	29	11.8	103	52.1	105	24.9	35	31.5	272	28.3
1980	19	7.8	108	54.9	95	22.1	34	29.8	256	26.4
1981	36	15.1	95	51.6	122	28.4	26	22.4	279	28.8
1982	24	9.9	94	51.9	92	20.9	38	31.8	248	25.3

*Rate per 100,000 population.

Source: Statistics Canada

Overall, motor vehicle accidents result annually in the greatest number of accidental deaths. In 1982, 248 people died as a result of these accidents. The highest mortality rate for motor vehicle accidents is found in the 15-24 year age group. Mortality rates from 1971 to 1982 vary, but no clear trend is evident.

TABLE 11

Hospitalized Motor Vehicle and Other Road Vehicle Accident Cases, Patient Days and Rates per 100,000 Population*, Saskatchewan, 1982-83

Type and Cause of Accident	0 - 14			15-24			25-44			45-64			65+		
	No.	Average Days Stay	Rate	No.	Average Days Stay	Rate	No.	Average Days Stay	Rate	No.	Average Days Stay	Rate	No.	Average Days Stay	Rate
Motor Cycle Accidents	82	5.5	33.6	200	6.3	105.0	60	7.5	22.8	6	5.2	3.3	1	9.0	0.8
Motor Vehicle Traffic Accidents	280	6.9	114.9	1007	5.8	528.8	503	6.0	191.2	281	8.5	152.8	198	11.4	165.7
Collision with Train	3	2.0	1.2	3	54.3	1.6	5	24.0	1.9	4	10.0	2.2	-	-	-
Collision of Motor Vehicle	39	6.9	16.0	135	6.0	70.9	92	4.5	35.0	54	4.0	29.4	45	10.7	37.7
Collision with Bicycles	26	6.0	10.7	9	24.3	4.7	3	8.7	1.1	1	1.0	0.5	-	-	-
Collision with Pedestrain	89	10.6	36.5	55	11.8	28.9	34	7.4	12.9	29	15.3	15.8	36	9.5	30.1
Collision with Fixed Object	-	-	-	25	2.4	13.1	11	3.9	4.2	4	1.7	2.2	1	1.0	0.8
Loss of Control of Motor Vehicle	25	2.6	10.3	332	3.5	174.3	116	3.8	44.1	50	5.9	27.2	28	10.9	23.4
Other	98	5.0	40.2	448	6.2	235.3	242	7.0	92.0	139	10.0	75.6	88	12.8	73.6
Motor Vehicle Non-Traffic Accidents	66	5.9	27.1	112	4.8	58.8	82	5.8	31.2	29	7.5	15.8	20	10.8	16.7
Involving Pedestrians	5	11.8	2.1	3	3.0	1.6	4	2.8	1.5	4	9.3	2.2	2	15.0	1.7
Other	61	5.5	25.0	109	4.8	57.2	78	5.9	29.7	25	7.2	13.6	18	10.3	15.1
Other Road Vehicle Accidents	220	2.5	90.3	98	2.7	51.5	54	3.3	20.5	17	5.6	9.2	8	5.8	6.7
Involving Pedestrians	1	1.0	0.4	-	-	-	1	2.0	0.4	-	-	-	-	-	-
Injured While Riding Bicycle	175	2.5	71.8	41	2.5	21.5	13	3.7	4.9	5	4.0	2.7	5	3.0	4.2
Other	44	2.1	18.1	57	2.8	30.0	40	3.3	15.2	12	6.3	6.5	3	10.3	2.5

Source: Saskatchewan Hospital Services Plan

*Rate per 100,000 population - 1982 SHSP Covered Population - 0-14 - 243,756
15-24 - 190,428
25-44 - 263,058
45-64 - 183,940
65+- 119,485

As noted earlier, motor vehicle and related accidents result in a significant number of hospital admissions. The type of accident, however, varies with different age groups. Thus, young children (0-14 years), for example, are much more likely to be injured while riding a bicycle than people of other ages. Motorcycle accidents are most common among 15-24 year olds. These differences are likely due to involvement in different activities and to experience.

Detailed information on traffic accidents is contained in Saskatchewan Traffic Accident Facts, published annually by the Department of Highways and Transportation.

Saskatchewan Health

Inter-Provincial Comparisons

Saskatchewan

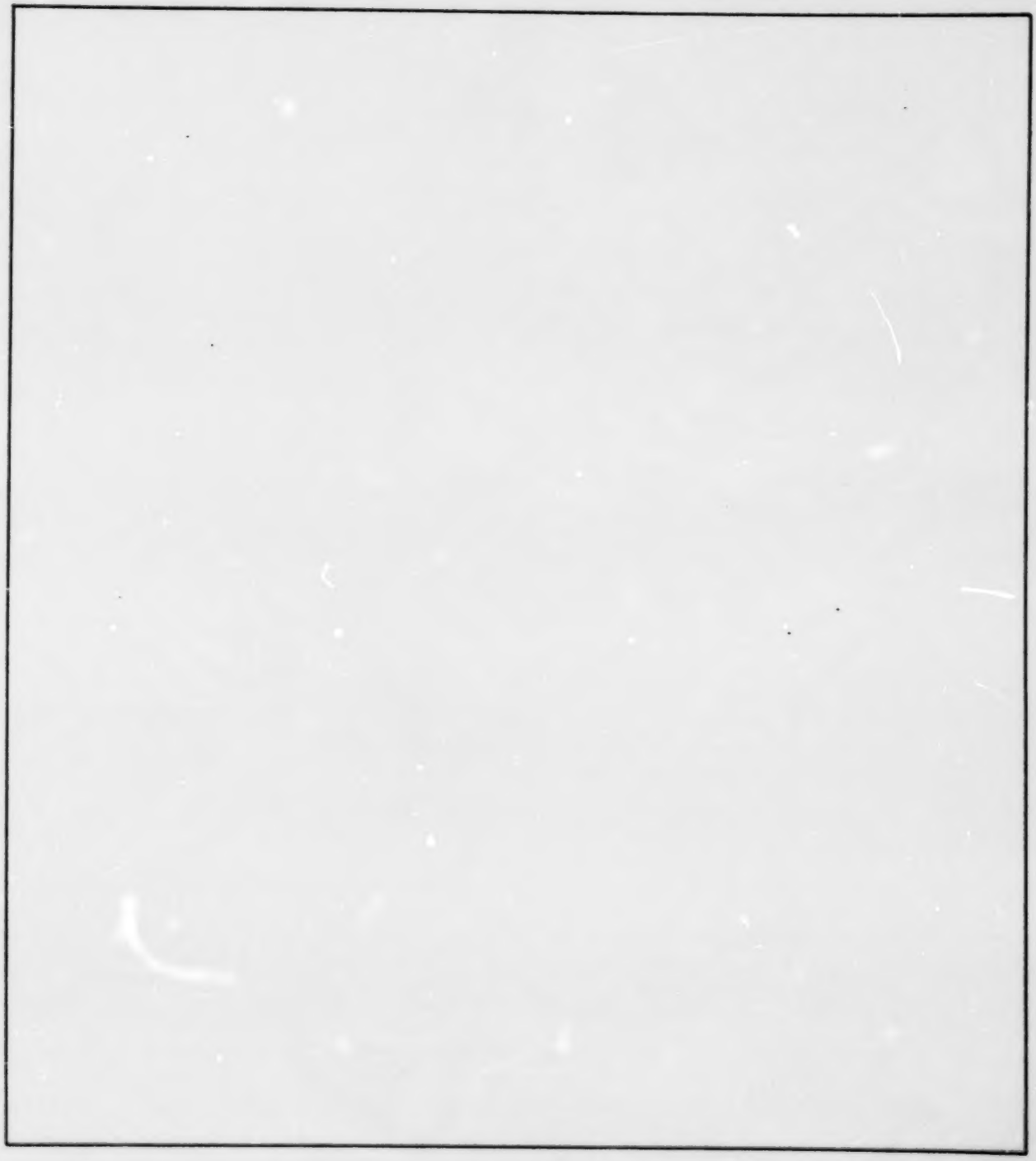


TABLE 12

Accident Mortality Rates*,
Canada and the Provinces, 1980-1982

	1980 Total	1981 Total	1982 Total
Canada	65.7	63.8	57.5
Newfoundland	42.8	46.8	42.9
Prince Edward Island	77.4	38.2	48.0
Nova Scotia	61.5	58.1	62.2
New Brunswick	72.3	65.8	68.1
Quebec	63.1	63.2	53.9
Ontario	56.9	53.7	49.4
Manitoba	62.6	71.2	61.9
Saskatchewan	79.9	77.9	77.4
Alberta	83.3	74.9	63.3
British Columbia	83.7	84.1	74.6
Yukon	171.4	195.7	137.5
Northwest Territories	172.1	123.9	163.8

Source: Statistics Canada Catalogue 84-206 Annual
*Rate per 100,000 population

Includes all accidents and late effects ICD-9 Codes E800-E999 (including suicide and homicide).

In the table above accident mortality rates are shown for Canada and the provinces (these data include suicide and homicide). These rates vary enormously between the provinces, and furthermore, considerable variation can be found from one year to the next. Fluctuations are particularly evident in provinces with small populations. A province with a large proportion of 15-24 year olds, for example, would likely have a high accident mortality rate.

While comparisons between provinces are difficult, Saskatchewan has tended to have a high accident mortality rate relative to other provinces. The Yukon and Northwest Territories have rates more than double the Canadian average.

TABLE 13

Accident Mortality Rates* by Sex,
Canada and the Provinces, 1980-1982

	1980			1981			1982		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Canada	87.9	35.2	65.7	86.0	33.2	63.8	82.3	33.1	57.5
Newfoundland	66.6	18.5	42.8	72.1	21.5	46.8	71.3	14.1	42.9
Prince Edward Island	102.3	40.2	77.4	58.9	6.7	38.2	77.1	19.4	48.0
Nova Scotia	85.4	28.8	61.5	81.8	25.8	58.1	92.3	32.7	62.2
New Brunswick	107.8	28.3	72.3	95.4	29.2	65.8	99.7	36.9	68.1
Quebec	123.6	33.7	63.1	88.2	30.9	63.2	78.7	29.8	53.9
Ontario	73.6	32.1	56.9	69.2	29.8	53.7	68.0	31.4	49.4
Manitoba	80.5	33.5	62.6	98.1	35.3	71.2	86.0	38.5	61.9
Saskatchewan	106.1	38.9	79.9	108.0	38.5	77.9	115.3	39.3	77.4
Alberta	111.3	47.5	83.3	102.4	40.5	74.9	90.8	34.6	63.3
British Columbia	109.9	44.2	83.7	108.1	46.5	84.1	106.2	43.3	74.6
Yukon	263.1	44.7	171.4	275.6	103.8	195.7	176.6	97.5	137.5
Northwest Territories	295.6	84.9	172.1	209.4	90.4	123.9	226.0	93.8	163.8

Source: Statistics Canada Catalogue 84-206 Annual
*Rate per 100,000 population

Includes all accidents and late effects ICD-9 Codes E800-E999 (including suicide and homicide).

It has been noted earlier that accident mortality rates are significantly higher for males than for females. Table 13 illustrates these differences for Canada and the provinces. It is interesting to note that the rate for females is fairly similar across Canada, with the exception of the Yukon and Northwest Territories. The rate for males, on the other hand, varies considerably.

The Saskatchewan rate for females is slightly above the Canadian average, while the rate for males is well above the average.

Saskatchewan Health

Population

Saskatchewan

COVERED POPULATION BY AGE DISTRIBUTION, SASKATCHEWAN

1964 - 1983

YEAR	TOTAL	0-1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
1964	935,005	22,093	90,206	109,794	98,483	83,794	58,578	50,691	52,432	54,445	55,544
1965	943,799	20,382	90,122	110,186	101,175	87,187	60,047	50,718	51,581	53,910	54,867
1966	951,434	19,501	88,576	110,431	103,520	89,834	61,904	51,634	51,034	53,344	54,621
1967	959,310	17,769	85,731	110,803	105,859	91,365	66,723	52,090	50,414	52,667	53,930
1968	962,376	17,810	80,704	111,198	106,789	93,276	69,444	53,710	49,829	51,977	53,600
1969	963,878	17,978	75,665	109,998	107,115	95,776	72,048	54,807	49,351	51,080	52,743
1970	948,370	16,891	70,150	105,993	106,132	97,109	71,126	53,281	47,748	49,121	51,753
1971	938,527	16,878	66,662	101,101	105,265	98,857	71,186	52,521	47,141	47,585	50,423
1972	934,607	15,774	65,424	95,788	104,274	100,636	71,443	54,785	46,696	46,444	49,291
1973	923,181	16,782	62,801	88,780	102,701	98,945	71,266	55,503	46,784	45,165	48,050
1974	922,487	14,394	61,905	83,968	101,655	99,900	75,882	58,181	47,579	44,620	47,170
1975	931,921	14,611	62,059	81,042	99,876	100,758	81,621	62,691	49,380	44,699	46,167
1976	949,463	16,061	62,886	80,686	97,405	101,330	88,331	68,049	51,796	45,880	45,839
1977	961,526	16,256	63,770	80,193	93,531	101,680	93,095	71,163	55,987	46,770	45,502
1978	970,510	16,235	64,327	80,125	89,099	101,916	95,526	74,739	59,152	48,165	45,224
1979	976,734	16,356	65,123	79,109	84,985	101,460	96,158	78,522	62,295	49,405	45,801
1980	982,257	15,610	65,901	78,957	81,844	99,942	96,438	82,381	65,675	50,722	45,173
1981	990,746	15,840	66,659	78,828	80,752	97,203	96,756	86,040	68,960	52,267	45,970
1982	1000,667	16,160	67,645	79,833	80,118	93,409	97,019	89,216	70,976	56,219	46,647
1983	1014,496	16,478	68,888	80,652	79,994	89,644	99,427	92,107	74,348	59,220	48,045

Source: SHSP Covered Population

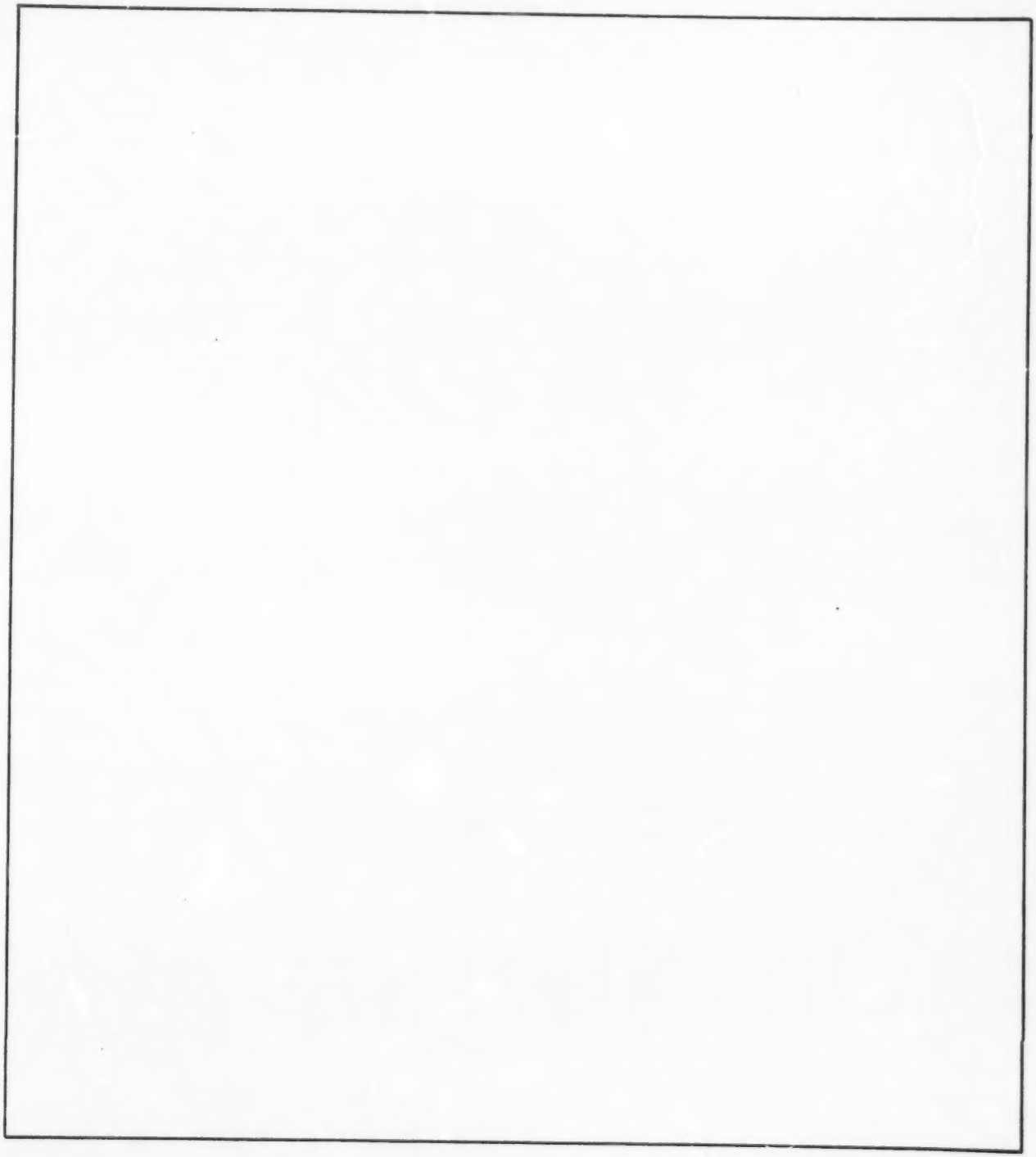
YEAR	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95+
1964	52,018	47,604	39,825	33,042	26,759	23,759	18,986	11,254	4,328	1,144	226
1965	52,441	48,823	40,790	33,468	27,115	23,237	19,372	11,755	4,797	1,226	600
1966	52,604	49,457	42,029	34,108	27,328	23,538	19,158	12,154	5,070	1,337	252
1967	53,059	49,989	43,038	35,175	27,714	23,296	19,247	12,522	5,540	1,464	915
1968	53,182	49,763	43,841	36,125	28,359	22,739	18,976	12,697	5,857	1,586	914
1969	53,515	49,851	45,185	36,912	29,491	22,327	18,832	12,923	6,227	1,737	317
1970	52,423	50,015	46,089	37,644	29,861	22,691	18,453	13,183	6,444	1,949	314
1971	51,768	49,866	45,502	38,603	30,516	22,928	18,388	13,161	6,659	2,128	389
1972	50,856	50,102	46,772	39,325	31,971	23,677	18,364	13,274	6,946	2,348	417
1973	50,168	49,931	49,469	40,053	33,271	24,596	18,274	13,315	7,324	2,508	495
1974	49,268	50,123	46,372	41,156	33,469	25,310	17,862	13,202	7,335	2,609	527
1975	48,944	49,629	46,784	42,243	33,956	25,761	18,086	12,901	7,428	2,687	598
1976	48,443	49,446	47,031	42,892	34,989	26,454	18,324	12,875	7,352	2,766	628
1977	47,938	48,993	47,588	43,430	35,677	27,455	18,790	12,796	7,340	2,862	710
1978	47,487	48,914	47,872	43,494	36,431	28,540	19,436	12,691	7,408	2,993	736
1979	46,814	48,316	48,241	43,584	37,684	29,137	20,313	12,610	7,660	3,085	796
1980	45,867	48,042	47,710	44,021	38,896	29,673	20,851	12,887	7,581	3,250	836
1981	45,402	47,514	47,565	44,267	39,673	30,587	21,432	13,250	7,595	3,302	884
1982	44,929	47,021	47,180	44,810	40,241	31,324	22,335	13,642	7,667	3,340	936
1983	44,819	46,589	47,242	45,067	40,432	32,022	23,318	14,212	7,624	3,352	1,016

Source: SHSP Covered Population

Saskatchewan
Health

Appendix A

Saskatchewan



Accidental Deaths and Suicide By Age Groups, Saskatchewan, 1982

Cause of Death		0-1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
E800-E807	Railway Accidents	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1
E810-E819	Motor Vehicle Traffic Accidents																				
	Collision with train (E810)	-	1	1	-	1	-	-	-	2	1	-	1	-	-	-	2	-	-	-	9
	Re-entrant collision (E811)	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
	Collision with another motor vehicle (E812)	-	2	1	7	18	20	8	5	4	9	6	4	7	4	7	4	6	-	-	112
	Collision with other vehicle (E813)	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Collision with pedestrian (E814)	-	-	-	3	3	1	1	1	1	-	-	-	3	1	-	3	-	4	4	25
	Other collision, highway (E315)	-	-	-	-	3	1	3	1	1	1	-	-	-	-	-	-	-	-	-	10
	Non-collision due to loss of control, highway (E815)	-	-	-	3	21	13	2	5	1	4	2	1	2	2	2	-	-	-	-	58
	Other non-collision (E818)	-	-	-	-	2	1	1	-	-	-	-	-	1	-	1	-	-	-	-	6
	Unspecified nature (E819)	-	1	-	-	5	3	1	-	-	1	-	-	1	2	1	1	-	-	-	16
E820-E825	Motor Vehicle Non-Traffic Accidents																				
	Motor driver snow vehicle (E820)	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	2
	Other off road motor vehicle (E821)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
	Collision with moving object (E822)	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	4
	Collision with stationary object (E823)	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Other & unspecified nature (E825)	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
E826-E829	Other Road Vehicle Accidents																				
	Animal-drawn vehicle (E827)	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
	Involving animal being ridden (E828)	-	-	-	1	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	4

Cause of Death		0-1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
E830-E838	Water Transport Accidents																				
	Boat with submersion (E830)	-	-	-	-	-	1	1	1	2	1	-	-	1	-	-	-	-	-	-	7
	Other accidental submersion or drowning (E832)	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	2
E840-E845	Air & Space Transport Accidents																				
	Powered aircraft, other, unspecified (E841)	-	-	-	-	-	2	3	-	1	1	-	-	1	-	-	-	-	-	-	8
E850-E858	Accidental Poisoning, Drugs, Medicaments, Biologicals																				
	Analgesics, antipyretics, antirheumatics (E850)	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
	Barbiturates (E851)	-	-	-	-	1	-	1	-	-	-	-	1	-	-	-	-	-	-	-	3
	Tranquilizers (E853)	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	2
	Other Psychotropic agents (E854)	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	2
	Other drugs (E858)	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	2
E860-E869	Accidental Poisoning By Other Substances																				
	Alcohol (NEC)(E860)	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
	Other & NOS solids & liquids (E866)	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
	Other utility gas, carbon monoxide (E868)	-	-	-	-	1	-	1	2	1	-	1	-	2	-	1	-	-	-	1	10
	Other gases, vapours (E869)	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	2
E870-E876	Misadventures to Patients During Surgical & Medical Care																				
	Accidental cut, puncture, perforation or haemorrhage (E870)	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	2
E878-E879	Complication of Medical Procedures Without Mention of Misadventure																				
	Surgical operation, procedures (E878)	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	-	3

Cause of Death		0-1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
E880-E888	Accidental Falls																				
	On or from stairs or steps (E880)	-	1	-	-	-	-	-	1	-	1	2	1	2	2	1	1	-	-	3	15
	From, out of building, other structure (E882)	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
	Other, from one level to another (E884)	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	2	2	2	5	13
	Same level, slipping, tripping (E885)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	5	8
	Fracture, cause unspecified(E887)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	5
	Other & unspecified (E888)	-	-	-	-	-	-	-	-	-	-	1	1	4	6	2	3	1	2	25	45
E890-E899	Accidents Caused by Fire & Flames																				
	Conflagration in private dwelling (E890)	1	1	1	3	-	5	3	2	1	1	4	-	1	2	3	2	2	-	-	32
	In other & NOS building or structure (E891)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Conflagration not, building, structure (E892)	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
	Other specified fire & flames (E898)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
E900-E909	Accidents due to Natural and Environmental Factors																				
	Excessive cold (E901)	-	-	-	-	2	1	1	-	-	1	2	1	-	2	2	1	5	-	1	19
	Hunger, thirst, exposure, neglect (E904)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
	Poisoning, toxic reactions (E905)	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
	Other injury caused by animals (E906)	-	1	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	3
E910-E915	Accidents, Submersion, Suffocation and Foreign Bodies																				
	Accidental drowning and submersion (E910)	-	-	-	-	2	2	-	-	-	1	1	-	1	-	3	1	2	-	-	13
	Inhalation & ingestion of food causing respiratory obstruction (E911)	3	-	-	-	-	-	1	1	-	-	-	1	3	-	1	1	5	4	7	27
	Causing respiratory obstruction (E912)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
	Accidental mechanical suffocation (E913)	-	-	-	2	1	1	2	-	-	-	1	-	-	-	-	-	-	-	-	7

Cause of Death		0-1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
E916-E928	Other Accidents																				
	Struck by falling object (E916)	-	-	1	-	-	2	1	-	-	-	-	-	1	-	-	-	-	-	-	5
	Striking against or struck by objects or persons (E917)	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Caused by machinery (E919)	-	1	-	-	-	1	1	-	-	-	3	3	-	-	-	2	-	-	-	11
	Firearm missile (E922)	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	3
	Explosive material (E923)	-	-	-	1	-	-	-	-	-	1	-	1	-	1	-	-	-	-	-	4
	Hot substance or object, caustic or coorosive material & steam (E924)	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Electric Current (E925)	-	-	-	-	-	1	2	1	-	-	-	-	-	-	-	-	-	-	-	4
	Other & NOS environmental causes (E928)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
E929	Late Effects of Accidental Injury	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2
E930-E949	Substances Causing Adverse Effects in Therapeutic Use																				
	Hormones & synthetic substitutes (E932)	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Other CNS depressants (E938)	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
	Psychotropic (E939)	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
E950-E959	Suicide & Self Inflected Injury																				
	Poisoning by solid or liquid substances (E950)	-	-	-	-	4	-	6	3	-	-	2	2	-	1	-	-	-	-	-	18
	Poisoning by other gases and vapours (E952)	-	-	-	-	3	1	1	2	-	2	1	-	1	1	2	-	-	-	-	14
	Hanging, strangulation and suffocation (E953)	-	-	-	1	11	13	4	5	2	-	-	2	3	3	4	2	-	1	-	51
	Submersion (E954)	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	2
	Firearms & explosives (E955)	-	-	-	-	14	14	9	10	7	1	5	1	5	3	3	5	3	-	1	81
	Cutting & Piercing instruments (E956)	-	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-	1	-	4
	Other & unspecified means (E958)	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1

Accidental Deaths and Suicide, By Individual E-Code
Saskatchewan, Total Population, 1979-1982

Cause of Accident		1979		1980		1981		1982	
		Male	Female	Male	Female	Male	Female	Male	Female
E800-E807	Railway Accidents	3	-	6	1	3	-	1	-
E810-E819	Motor Vehicle Traffic Accidents								
	Collision with train (E810)	7	3	9	2	4	-	8	1
	Re-entrant collision (E811)	-	-	1	-	-	1	-	1
	Collision with another motor vehicle (E812)	74	29	68	29	90	24	76	36
	Collision with other vehicle (E813)	1	-	6	1	3	-	2	-
	Collision with pedestrian (E814)	19	13	18	14	25	8	17	8
	Other collision, highway (E815)	2	-	-	-	5	-	10	-
	Non-collision due to loss of control, highway (E816)	51	20	39	16	60	15	48	10
	Other non-collision (E818)	3	2	3	1	5	1	5	1
	Unspecified nature (E819)	16	10	32	7	19	5	13	3
E820-E825	Motor Vehicle Non-Traffic Accidents								
	Motor driven snow vehicle (E820)	8	2	2	-	5	-	2	-
	Other off-road motor vehicle (E821)	6	1	3	-	2	-	1	-
	Collision with moving object (E822)	-	-	2	-	3	1	2	2
	Other and unspecified nature (E825)	1	1	2	1	-	-	1	-
	Pedal Cycle (E826)	-	-	1	-	-	-	-	-
	Animal drawn vehicle (E827)	-	-	-	-	-	-	1	-
	Involving animal being ridden (E828)	1	-	2	-	-	-	3	1
E830-E838	Water Transport Accidents								
	Boat with submersion (E830)	9	-	12	1	8	2	7	-
	Other accidental submersion or drowning (E832)	1	-	1	-	2	-	2	-
	Other and unspecified (E838)	-	-	-	-	1	-	-	-

Cause of Accident		1979		1980		1981		1982	
		Male	Female	Male	Female	Male	Female	Male	Female
E840-E845	Air & Space Transport Accidents								
	Powered aircraft at take-off or landing (E840)	2	-	-	-	1	-	-	-
	Powered aircraft, other, unspecified (E841)	6	3	10	2	2	2	7	1
	Accident to unposered aircraft (E842)	-	-	1	-	-	-	-	-
	Other, specified (E844)	1	-	-	-	-	-	-	-
E850-E858	Accidental Poisoning, Drugs, Medicaments, Biologicals								
	Analgesics, Antipyretics, Antirheumatics (E850)	1	1	-	-	1	1	1	-
	Barbiturates (E851)	-	1	-	1	-	2	3	-
	Tranquilizers (E853)	-	1	-	-	-	-	-	2
	Other Psychotropic agents (E854)	-	1	1	-	-	-	-	2
	Other drugs (E858)	1	-	-	-	-	3	-	2
E860-E869	Accidental Piosoning By Other Substances								
	Alcohol, NEC (E860)	-	-	3	-	-	-	2	2
	Disinfectant, paint varnish, cleaners (E861)	-	-	1	-	-	-	-	-
	Petroleum, other solvants, vapours, NEC (E862)	-	-	3	1	-	1	-	-
	Agricultural, Horticultural, Pharmaceutical (E863)	-	-	-	-	1	-	-	-
	Foodstuffs and poisonous plants (E865)	-	-	1	-	1	-	-	-
	Other and NOS solids and liquids (E866)	-	1	1	-	-	-	1	-
	Other utility gas, carbon monoxide (E868)	8	1	5	4	6	2	7	3
	Other gases, vapours (E869)	-	-	-	-	-	-	2	-
E870-E876	Misadventures to Patients During Surgical and Medical Care								
	Accidental cut, puncture, perforation or haemorrhage (E870)	-	-	-	1	-	1	2	-
	Mechanical failure of instrument (E874)	-	-	-	-	-	1	-	-
	Other and unspecified (E876)	-	-	1	-	-	-	-	-

Cause of Accident		1979		1980		1981		1982	
		Male	Female	Male	Female	Male	Female	Male	Female
E878	Complication of Medical Procedures Without Mention of Misadventure								
	Surgical operation, procedures (E878)	-	-	-	-	-	-	3	-
E880-E888	Accidental Falls								
	On or from stairs or steps (E880)	9	6	11	7	18	5	9	6
	On or from ladders or scaffolding (E881)	-	-	3	-	2	-	-	-
	From, out of building, other structure (E882)	4	-	5	-	-	-	1	-
	Into hole or other opening in surface (E883)	2	-	-	-	3	-	-	-
	Other, from one level to another (E884)	5	4	5	5	4	2	9	4
	Same level, slipping, tripping (E885)	9	8	7	9	2	4	3	5
	Fracture, cause unspecified (E887)	-	3	3	4	1	2	2	3
	Other and unspecified (E888)	24	25	26	22	24	21	21	24
E890-E899	Accidents Caused By Fire and Flames								
	Conflagration in private dwelling (E890)	26	10	19	12	20	7	22	10
	In other and NOS building or structure (E891)	1	-	1	-	-	1	1	-
	Conflagration not, building, structure (E892)	-	1	-	-	-	-	2	-
	Ignition of clothing (E893)	-	1	4	1	2	-	-	-
	Ignition, inflammable material (E894)	-	-	2	-	-	-	-	-
	Controlled fire, private dwelling (E895)	2	1	1	-	-	-	-	-
	Controlled fire in other and NOS building or structure (E896)	-	1	-	-	-	-	-	-
	Other specified fire and flames (E898)	7	2	1	-	2	-	-	1
	Unspecified fire (E899)	1	-	-	-	-	-	-	-
E900-E909	Accidents Due To Natural and Environmental Factors								
	Excessive cold (E901)	6	2	6	4	6	2	13	6
	Hunger, thirst, exposure, neglect (E904)	1	-	1	1	1	-	1	-
	Poisoning, toxic reactions (E905)	-	-	-	-	1	-	1	-
	Other injury caused by animals (E906)	3	-	-	-	2	-	3	-

Cause of Accident		1979		1980		1981		1982	
		Male	Female	Male	Female	Male	Female	Male	Female
	Lightening (E907)	-	-	2	-	-	1	-	-
	Cataclysmic earth movements, eruptions (E909)	-	-	-	-	1	-	-	-
E910-E915	Accidents, Submersion, Suffocation and Foreign Bodies								
	Accidental drowning and submersion (E910)	30	3	20	3	14	4	12	1
	Inhalation & ingestion of food causing obstruction (E911)	15	5	10	6	11	5	19	8
	Causing respiratory obstruction (E912)	1	-	-	-	-	-	1	-
	Accidental mechanical suffocation (E913)	4	2	5	-	3	1	7	-
	Foreign body entering other orifice (E915)	-	-	-	1	-	-	-	-
E916-E928	Other Accidents								
	Struck by falling object (E916)	5	-	7	1	4	-	4	1
	Striking against or struck by objects or persons (E917)	2	-	4	-	1	-	1	-
	Caught in or between objects (E918)	1	-	3	-	1	-	-	-
	Caused by machinery (E919)	12	1	9	2	14	-	11	-
	Cutting, piercing instruments (E920)	1	-	-	-	2	-	-	-
	Firearm missile (E922)	8	-	5	-	3	-	1	2
	Explosive material (E923)	1	-	3	-	2	-	3	1
	Hot substance or object, caustic or corrosive material and steam (E924)	1	-	-	-	1	-	1	-
	Electric current (E925)	7	1	4	1	7	-	3	1
	Other and NOS environmental causes (E928)	5	-	-	2	-	-	1	-
E929	Late Effects of Accidental Injury	1	1	1	-	1	-	1	2
E930-E949	Substances Causing Adverse Effects In Therapeutic Use								
	Hormones and synthetic sub (E932)	-	1	-	-	-	-	1	-
	Other CNS depressants (E938)	-	-	-	-	-	-	-	1
	Psychotropic (E939)	-	-	-	-	-	-	-	1
	Other and NOS drugs and medicaments (E947)	-	-	1	-	-	-	-	-

Cause of Accident		1979 Male	1979 Female	1980 Male	1980 Female	1981 Male	1981 Female	1982 Male	1982 Female
E950-E959	Suicide and Self Inflected Injury								
	Poisoning by solid or liquid substances (E950)	3	12	8	14	10	19	8	10
	Poisoning by other gases and vapours (E952)	8	1	12	4	15	1	14	-
	Hanging, strangulation & suffocation (E953)	26	5	25	7	18	9	45	6
	Submersion (E954)	1	4	3	3	4	2	1	1
	Firearms and explosives (E955)	68	3	64	4	74	11	73	8
	Cutting and piercing instruments (E956)	4	1	5	1	3	2	4	-
	Jumping from high place (E957)	1	-	2	-	1	-	-	-
	Other and unspecified means (E958)	3	1	1	-	2	-	1	-
	TOTAL DEATHS DUE TO ACCIDENTS AND SUICIDE	530	197	523	197	529	169	528	177

Saskatchewan Health

Appendix B

Saskatchewan

HOSPITALIZED ACCIDENT CASES* AND PATIENT DAYS

SASKATCHEWAN 1982-83

TYPE AND CAUSE OF ACCIDENT	CASES NUMBER	CASES RATE+	PATIENT DAYS
E800-E807 - Railway Accidents	2	0.20	28
E810-E819 - Motor Vehicle Traffic Accidents			
Collision with train (E810)	15	1.50	329
Collision with another Motor Vehicle (E812)	407	40.67	2,684
Collision with other Vehicle (E813)	48	4.80	468
Collision with pedestrian (E814)	243	24.28	2,628
Other Collision, Highway (E815)	41	4.10	112
Noncollision due to loss of control, Highway (E816)	551	55.06	2,281
Noncollision motor vehicle traffic accident while boarding or alighting (E817)	44	4.40	418
Other Noncollision (E818)	169	16.89	1,000
Unspecified Nature (E819)	971	97.04	7,150
E820-E825 - Motor Vehicle NonTraffic Accidents			
Motor driven snow vehicle (E820)	214	21.39	1,089
Other off-road motor vehicle (E821)	84	8.39	391
Collision with moving object (E822)	11	1.10	103
Collision with Stationary object (E823)	2	0.20	8
Other motor vehicle nontraffic accident while boarding or alighting (E824)	29	2.90	317
Other motor vehicle nontraffic accident of other and unspecified nature (E825)	43	4.30	214
E826-E829 - Other Road Vehicle Accidents			
Pedal Cycle Accident (E826)	238	23.78	627
Animal drawn vehicle accident (E827)	10	1.00	30
Accident involving animal being ridden (E828)	149	14.89	445
Other Road Vehicle Accidents (E829)	1	0.10	29
E830-E838 - Water Transport Accidents			
Board with Submersion (E830)	1	0.10	2
Other Accidental Submersion or drowning (E832)	3	0.30	8
Other and Unspecified Fall in Water Transport (E835)	2	0.20	14
Machinery Accident in water Transport (E836)	1	0.10	5

TYPE AND CAUSE OF ACCIDENT	CASES NUMBER	CASES RATE+	PATIENT DAYS
Other and Unspecified (E838)	3	0.30	10
E840-E845 - Air & Space Transport Accidents			
Powered Aircraft at takeoff or landing (E840)	1	0.10	13
Powered aircraft, other, unspecified (E841)	7	0.70	45
Accident to unpowered aircraft (E842)	4	0.40	101
Fall in, on or from aircraft (E843)	1	0.10	8
Other specified air transport accidents (E844)	4	0.40	19
E846-E848 - Vehicle Accidents not Elsewhere Classifiable			
Accidents involving other vehicles not elsewhere classfiable (E848)	9	0.90	77
E850-E858 - Accidental Poisoning, Drugs, Medicaments, Biologicals			
Analgesics, Antipyretics, antirheumatics (E850)	138	13.79	265
Barbiturates (E851)	8	0.80	22
Accidental poisoning by other sedatives and hypnotics (E852)	28	2.80	74
Accidental poisoning by tranquilizers (E853)	19	1.90	27
Accidental poisoning by other psychotropic agents (E854)	10	1.00	28
Accidental poisoning by other drugs acting on central and autonomic nervous systems (E855)	8	0.80	44
Accidental poisoning by antibiotics (E856)	6	0.60	14
Accidental poisoning by anti-infectives (E857)	3	0.30	5
Other drugs (E858)	190	18.99	415
E860-E869 - Accidental Poisoning by Other Substances			
By alcohol, not elsewhere classfiable (E860)	16	0.16	21
Cleansing and polishing agents, disinfectants, paints and varnishes (E861)	33	3.30	56
Petroleum, other solvents, vapours, NEC (E862)	54	5.40	108
Agricultural, horticultural, pharmaceutical substances (E863)	25	2.50	27

TYPE AND CAUSE OF ACCIDENT	CASES NUMBER	CASES RATE+	PATIENT DAYS
Corrosives and caustics, NEC (E864)	11	1.10	42
Foodstuffs and poisonous plants (E865)	14	1.40	20
Other and unspecified solid and liquid substances (E866)	21	2.10	34
Gas distributed by pipline (E867)	1	0.10	1
Other utility gas and other carbon monoxide (E868)	27	2.70	42
Other gases and vapours (E869)	10	1.00	17
E870-E876 - Misadventures to Patients During Surgical and Medical Care			
Accidental cut, puncture, perforation or haemorrhage (E870)	1	0.10	5
E878-E879 - Surgical and Medical Procedures as The Cause of Abnormal Reaction of Patient or Later Complication, Without mention of Misadventure at the time of the Procedure			
Other procedures (E879)	22	2.20	141
E880-E888 - Accidental Falls			
On or from stairs or steps (E880)	707	70.65	6,630
On or from ladders or scaffolding (E881)	154	15.39	976
Fall from or out of building or other structure (E882)	89	8.89	492
Fall into hole or other opening in surface (E883)	45	4.50	362
Other fall from one level to another (E884)	912	91.14	6,376
Fall on same level from slipping tripping or stumbling (E885)	1,125	112.43	9.190
Fall on same level from collision, pushing or shoving, by or with other person (E886)	40	4.00	211
Fracture, cause unspecified (E887)	635	63.46	9,153
Other and Unspecified (E888)	2,269	226.75	27,546
E890-E899 - Accidents Caused by Fire & Flames			
Conflagration in private dwelling (E890)	16	1.60	196
Conflagration in other and unspecified building or structure (E891)	6	0.60	12
Conflagration not in building or structure (E892)	4	0.40	12

TYPE AND CAUSE OF ACCIDENT	CASES NUMBER	CASES RATE+	PATIENT DAYS
Ignition of clothing (E893)	19	1.90	301
Ignition of highly inflammable material (E894)	33	3.30	567
Controlled fire in private dwelling (E895)	9	0.90	219
Controlled fire in other & unspecified building or structure (E896)	4	0.40	20
Controlled fire not in building or structure (E897)	14	1.40	94
Other specified fire & Flames (E898)	22	2.20	106
Unspecified fire (E899)	67	6.70	803
E900-E909 - Accidents Due to Natural and Environmental Factors			
Excessive heat (E900)	16	1.60	44
Excessive cold (E901)	81	8.09	1,282
Hunger, thirst, exposure, neglect (E904)	2	0.20	23
Poisoning, toxic reactions (E905)	45	4.50	71
Other injury caused by animals (E906)	190	18.99	903
Lightning (E907)	1	0.10	1
Cataclysmic storms and floods resulting from storms (E908)	1	0.10	1
E910-E915 - Accidents, Submersions, Suffocation and Foreign Bodies			
Accidental drowning or submersion (E910)	28	2.80	78
Inhalation and ingestion of food causing respiratory obstruction (E911)	49	4.90	84
Inhalation and ingestion of other object causing obstruction or respiratory tract or suffocation (E912)	38	3.80	58
Accidental mechanical suffocation (E913)	4	0.40	7
Foreign body accidentally entering eye and adnexa (E914)	26	2.60	102
Foreign body accidentally entering other orifice (E915)	153	15.29	495
E916-E929 - Other Accidents			
Struck by falling object (E916)	149	14.89	934
Striking against or struck by objects or persons (E917)	941	94.04	3,032
Caught in or between objects (E918)	72	7.20	312
Caused by machinery (E919)	315	31.48	2,117
Cutting or piercing instruments (E920)	357	35.68	1,414

TYPE AND CAUSE OF ACCIDENT		CASES NUMBER	CASES RATE+	PATIENT DAYS
	Caused by explosion of pressure vessel (E921)	8	0.80	47
	Firearm missile (E922)	73	7.30	882
	Caused by explosive material (E923)	40	0.40	399
	Hot substance or object, caustic or corrosive material & steam (E924)	215	21.49	1,922
	Electric current (E925)	13	1.30	45
	Exposure to radation (E926)	1	0.10	2
	Overexertion and Strenuous movement (E927)	586	58.56	3,004
	Other and unspecified environmental and accidental causes (E928)	807	80.65	5,452
E929	Late Effects of Accidental Injury	293	29.28	2,811
E930-E949 -	Drugs, Medicaments & Biological Substances Causing Adverse Effects in Therapeutic Use			
	Antibiotics (E930)	9	0.90	24
	Other antiinfectives (E931)	3	0.30	15
	Hormones and Synthetic substitutes (E932)	4	0.40	26
	Primarily systemic agents (E933)	3	0.30	19
	Agents primarily affecting blood constituents (E934)	9	0.90	51
	Analgesics, antipyretics and antirheumatics (E935)	16	1.60	50
	Anticonvulsants & Anti-Parkinsonism drugs (E936)	4	0.40	22
	Sedatives and Hypnotics (E937)	2	0.20	12
	Other central nervous system depressants (E938)	1	0.10	1
	Psychotropic agents (E939)	3	0.30	20
	Drugs primarily affecting the autonomic nervous system (E941)	1	0.10	4
	Agents primarily affecting the cardiovascular system (E942)	20	2.00	175
	Water, mineral, and uric acid metabolism drugs (E943)	3	0.30	32
	Agents primarily acting on the smooth and skeletal muscles and respiratory system (E945)	3	0.30	5
	Agents primarily affecting skin and mucous membrane, ophthmological, otorhinolaryngological and dental drugs (E946)	4	0.40	7
	Other and unspecified drugs and medicaments (E948)	15	1.50	103

TYPE AND CAUSE OF ACCIDENT	CASES NUMBER	CASES RATE+	PATIENT DAYS
Other vaccines & biological substances (E949)	1	0.10	9
E950-E959 - Suicide & Self Inflicted Injury			
By solid or liquid substances (E950)	551	55.06	1,494
Poisoning by other gases and vapours (E952)	3	0.30	10
Hanging, strangulation, and suffocation (E953)	7	0.70	16
Firearms & explosives (E955)	22	2.20	121
Cutting & piercing instruments (E956)	43	4.30	275
Jumping from high place (E957)	1	0.10	7
Other and unspecified means (E958)	4	0.40	52
TOTAL ALL CAUSES (E800 - E959)	15,359	1,534.88	113,400

Source: Saskatchewan Hospital Services Plan

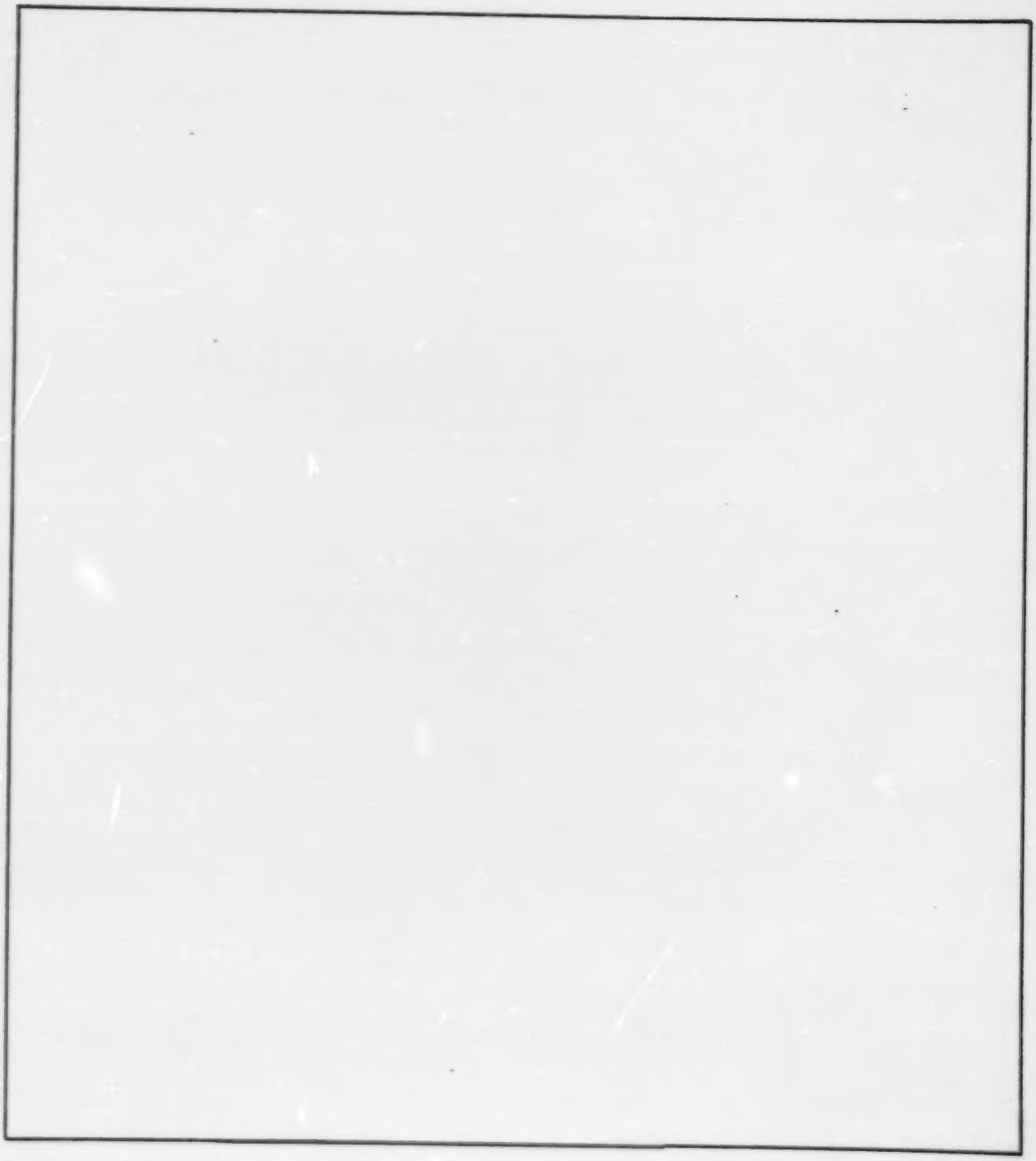
* Excludes cases not covered by the Saskatchewan Hospital Services Plan. This table shows data for the period April 1, 1982 - March 31, 1983

\+ Rate per 100,000 population (SHSP Covered Population)

Saskatchewan Health

Accident Classifications

Saskatchewan



EXPLANATION OF CATEGORIES USED IN THIS BOOK

The categories used to describe accidents are summaries of classifications found in hospital and mortality data.

The classifications used are the International Classification of Disease codes for external cause of injury (E codes -- E800 - E959 , ICD 9th Revision).

The following explanations are intended to clarify what could be included under the headings used, although specific ICD codes are not always listed under the same groups.

Motor Vehicle Accident (E810 - E825)

Includes collision and non-collision accidents involving a car, truck, bus, construction or farm machine while in transport under its own power, motorcycle or snowmobile.

Includes collision between any of these motor vehicles and a pedestrian, bicyclist, rider of animal or occupant of a non-motorized vehicle.

Includes accidents occurring on a public highway (traffic accident) and elsewhere (non-traffic accident).

Fires (E890 - E899)

Includes injuries caused by fires and flames.

Drowning (E830, E832, E910)

Includes submersion in boating accident, while swimming, falling through ice, or drowning in bath.

Suffocation (E911 - E913)

Includes suffocation or choking on food or other object, mechanical suffocation by smothering or strangulation.

Poisoning (E850 - E858, E860 - E869)

Includes accidental injestion or overdose of drugs or other substances, gases and vapours.

Other Transportation (E800 - E807, E826 - E829, E831, E833 - E838, E840 - E845, E846 - E848)

Includes bicycle accidents where no motor vehicle is involved. Animal drawn and other non-motorized vehicles. Railway and air accidents and water transportation accidents other than submersion.

Cutting Objects (E920)

Includes broken glass, nails, hand tools, powered hand tools, lawn mowers, meat slicer, saws and other sharp objects.

Hot Substance or Object (E924)

Includes acids, hot liquids, molten metal, heat from electric appliance, without fire.

Overexertion and Strenuous Movement (E927)

Includes exhaustion, injury in bending, straining or twisting, lifting, pulling or pushing.

Falls (E880 - E888)

Accidental falls including falls on stairs, while running, slipping, and so on.

Struck Against or by Persons or Objects (E917)

Including collision with person, stationary object, or moving object (other than motor vehicle or objects elsewhere classified).

Foreign Objects (E914 - E915)

Foreign body entering an eye, ear, nose or other orifice. Including dust, oil or object (not food) which causes injury other than suffocation.

Natural Factors (E900 -E909)

Including excessive heat and cold, exposure, animal bites, insect bites and catastrophic floods or earth movement.

Suicide and Selfinflicted Injury (E950 - E959)

Includes injuries in suicide and attempted suicide.

POOR

QUALITY

ORIGINAL